

# Harness

Mating harness

# MMC Series PMC Series

| Model   | Harness model #  |        |
|---------|------------------|--------|
|         | Input            | Output |
| MMC8A   | H-IN-2 or H-IN-9 | H-OU-2 |
| MMC50A  | H-IN-1 or H-IN-8 | H-OU-4 |
| MMC75A  | H-IN-1 or H-IN-8 | H-OU-4 |
| MMC100A | H-IN-1 or H-IN-8 | H-OU-4 |

| Model  | Harness model #  |        |
|--------|------------------|--------|
|        | Input            | Output |
| PMC15  | H-IN-1 or H-IN-8 | H-OU-1 |
| PMC30  | H-IN-2 or H-IN-9 | H-OU-1 |
| PMC50  | H-IN-2 or H-IN-9 | H-OU-4 |
| PMC75  | H-IN-1 or H-IN-8 | H-OU-4 |
| PMC100 | H-IN-1 or H-IN-8 | H-OU-4 |

| <p>●Model number</p> <h2>H-IN-1</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 20 | green        | 500 | 2 | UL1015 | 20 | black | 500 | 3 |        |    |        |     | 4 | UL1015 | 20 | white  | 500 |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
|--|--------------|---|--------------|-----------------|-----|-------|-----------------|---|--------|----|--------------|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|---|--------|----|--------|-----|---|--------|----|--------|-----|---|--------|----|--------|-----|---|--------|----|------|-----|---|--------|----|------|-----|---|--------|----|--------|-----|----|--------|----|--------|-----|
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  | UL1015       | 20  | green        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 20  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  |              |   |              |                 |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 20  | white        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-IN-2</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 20 | green        | 500 | 2 | UL1015 | 20 | white | 500 | 3 |        |    |        |     | 4 | UL1015 | 20 | black  | 500 |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  | UL1015       | 20  | green        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 20  | white        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  |              |   |              |                 |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 20  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-IN-8</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green/yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 20 | green/yellow | 500 | 2 | UL1015 | 20 | black | 500 | 3 |        |    |        |     | 4 | UL1015 | 20 | white  | 500 |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  | UL1015       | 20  | green/yellow | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 20  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  |              |   |              |                 |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 20  | white        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-IN-9</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green/yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 20 | green/yellow | 500 | 2 | UL1015 | 20 | white | 500 | 3 |        |    |        |     | 4 | UL1015 | 20 | black  | 500 |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  | UL1015       | 20  | green/yellow | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 20  | white        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  |              |   |              |                 |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 20  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-OU-1</h2> <p>Housing : 5199-06 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>20</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>purple</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>20</td> <td>gray</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>20</td> <td>orange</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 |        |    |              |     | 2 | UL1015 | 20 | black | 500 | 3 | UL1015 | 20 | red    | 500 | 4 | UL1015 | 20 | purple | 500 | 5 | UL1015 | 20 | gray   | 500 | 6 | UL1015 | 20 | orange | 500 |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  |              |   |              |                 |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 20  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  | UL1015       | 20  | red          | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 20  | purple       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 5  | UL1015       | 20  | gray         | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 6  | UL1015       | 20  | orange       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-OU-2</h2> <p>Housing : 5196-05 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>20</td> <td>orange</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>gray</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>20</td> <td>purple</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 20 | red          | 500 | 2 | UL1015 | 20 | black | 500 | 3 | UL1015 | 20 | orange | 500 | 4 | UL1015 | 20 | gray   | 500 | 5 | UL1015 | 20 | purple | 500 |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  | UL1015       | 20  | red          | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 20  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  | UL1015       | 20  | orange       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 20  | gray         | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 5  | UL1015       | 20  | purple       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-OU-4</h2> <p>Housing : 5196-10 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>7</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>8</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>9</td> <td>UL1015</td> <td>18</td> <td>purple</td> <td>500</td> </tr> <tr> <td>10</td> <td>UL1015</td> <td>18</td> <td>purple</td> <td>500</td> </tr> </tbody> </table> | Pin #        | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 18 | red          | 500 | 2 | UL1015 | 18 | red   | 500 | 3 | UL1015 | 18 | black  | 500 | 4 | UL1015 | 18 | black  | 500 | 5 | UL1015 | 18 | orange | 500 | 6 | UL1015 | 18 | orange | 500 | 7 | UL1015 | 18 | gray | 500 | 8 | UL1015 | 18 | gray | 500 | 9 | UL1015 | 18 | purple | 500 | 10 | UL1015 | 18 | purple | 500 |
| Pin #  | Wire         | AWG   | Color        | Length $l$ (mm) |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 1  | UL1015       | 18  | red          | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 2  | UL1015       | 18  | red          | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 3  | UL1015       | 18  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 4  | UL1015       | 18  | black        | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 5  | UL1015       | 18  | orange       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 6  | UL1015       | 18  | orange       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 7  | UL1015       | 18  | gray         | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 8  | UL1015       | 18  | gray         | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 9  | UL1015       | 18  | purple       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |
| 10   | UL1015       | 18  | purple       | 500             |     |       |                 |   |        |    |              |     |   |        |    |       |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |        |     |   |        |    |      |     |   |        |    |      |     |   |        |    |        |     |    |        |    |        |     |

Mating harness

| Model   | Harness model # |         |
|---------|-----------------|---------|
|         | Input           | Output  |
| LCA10S  | H-IN-4          | H-OU-7  |
| LCA15S  | H-IN-4          | H-OU-8  |
| LCA30S  |                 | H-OU-9  |
| LCA50S  | H-IN-5 or       | H-OU-9  |
| LCA75S  |                 | H-OU-18 |
| LCA100S | H-IN-10         | H-OU-10 |
| LCA150S |                 | H-OU-11 |
|         |                 | H-OU-12 |

| Model                                 | Harness model #      |         |
|---------------------------------------|----------------------|---------|
|                                       | Input                | Output  |
| LDA10F                                | H-IN-5 or<br>H-IN-10 | H-OU-8  |
| LDA15F                                |                      | H-OU-8  |
| LDA30F                                |                      | H-OU-9  |
| LDA50F, LEA50F                        |                      | H-OU-9  |
| LDA75F, LEA75F                        |                      | H-OU-18 |
| LDA100W, LEA100F, LEP100F, 150F, 240F |                      | H-OU-10 |
| LDA150W, LEA150F                      |                      | H-OU-11 |
|                                       |                      | H-OU-12 |
|                                       |                      |         |
| ★ LDA300W                             |                      | H-IN-7  |

LCA Series  
LDA Series  
LEA Series  
LEP Series

★ Optional : connector type "J"

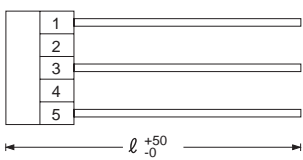
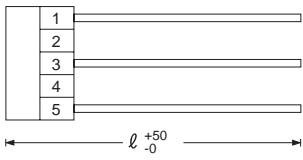
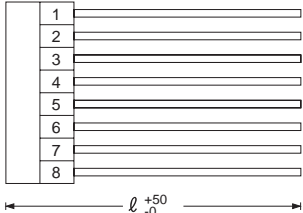
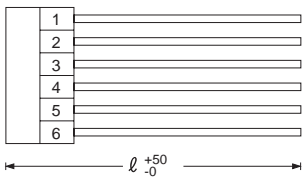
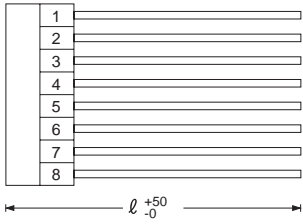
| <p>●Model number<br/><b>H-IN-4</b><br/>Housing : XHP-7 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2, 3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1007</td> <td>22</td> <td>white</td> <td>500</td> </tr> <tr> <td>5, 6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>UL1007</td> <td>22</td> <td>green</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1     | UL1007 | 22 | black | 500 | 2, 3  |        |    |       |     | 4 | UL1007 | 22 | white | 500 | 5, 6 |        |    |     |     | 7 | UL1007 | 22 | green        | 500 |
|--|--------------|--|--------------|---------------|-----|-------|---------------|-------|--------|----|-------|-----|-------|--------|----|-------|-----|---|--------|----|-------|-----|------|--------|----|-----|-----|---|--------|----|--------------|-----|
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1  | UL1007       | 22   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 2, 3   |              |  |              |               |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 4  | UL1007       | 22   | white        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 5, 6   |              |  |              |               |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 7  | UL1007       | 22   | green        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-IN-5</b><br/>Housing : VHR-5N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>green</td> <td>500</td> </tr> </tbody> </table>        | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1     | UL1015 | 18 | black | 500 | 2     |        |    |       |     | 3 | UL1015 | 18 | white | 500 | 4    |        |    |     |     | 5 | UL1015 | 18 | green        | 500 |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 2  |              |  |              |               |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 3  | UL1015       | 18   | white        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 4  |              |  |              |               |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 5  | UL1015       | 18   | green        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-IN-10</b><br/>Housing : VHR-5N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>green/yellow</td> <td>500</td> </tr> </tbody> </table> | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1     | UL1015 | 18 | black | 500 | 2     |        |    |       |     | 3 | UL1015 | 18 | white | 500 | 4    |        |    |     |     | 5 | UL1015 | 18 | green/yellow | 500 |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 2  |              |  |              |               |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 3  | UL1015       | 18   | white        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 4  |              |  |              |               |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 5  | UL1015       | 18   | green/yellow | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-7</b><br/>Housing : XHP-2 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1     | UL1007 | 22 | black | 500 | 2     | UL1007 | 22 | red   | 500 |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1  | UL1007       | 22   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 2  | UL1007       | 22   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-8</b><br/>Housing : XHP-4 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1     | UL1007 | 22 | black | 500 | 2     | UL1007 | 22 | black | 500 | 3 | UL1007 | 22 | red   | 500 | 4    | UL1007 | 22 | red | 500 |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1  | UL1007       | 22   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 2  | UL1007       | 22   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 3  | UL1007       | 22   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 4  | UL1007       | 22   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-9</b><br/>Housing : VHR-4N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1     | UL1015 | 18 | black | 500 | 2     | UL1015 | 18 | black | 500 | 3 | UL1015 | 18 | red   | 500 | 4    | UL1015 | 18 | red | 500 |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 2  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 3  | UL1015       | 18   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 4  | UL1015       | 18   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-10</b><br/>Housing : VHR-8N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1 - 4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>5 - 8</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 - 4 | UL1015 | 18 | black | 500 | 5 - 8 | UL1015 | 18 | red   | 500 |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1 - 4  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 5 - 8  | UL1015       | 18   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-11</b><br/>Housing : VHR-6N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1 - 6</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 - 6 | UL1015 | 18 | red   | 500 |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1 - 6  | UL1015       | 18   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-12</b><br/>Housing : VHR-7N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1 - 7</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 - 7 | UL1015 | 18 | black | 500 |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1 - 7  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| <p>●Model number<br/><b>H-OU-18</b><br/>Housing : VHR-6N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1 - 3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4 - 6</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 - 3 | UL1015 | 18 | black | 500 | 4 - 6 | UL1015 | 18 | red   | 500 |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| Pin #  | Wire         | AWG  | Color        | Length ℓ (mm) |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 1 - 3  | UL1015       | 18   | black        | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |
| 4 - 6  | UL1015       | 18   | red          | 500           |     |       |               |       |        |    |       |     |       |        |    |       |     |   |        |    |       |     |      |        |    |     |     |   |        |    |              |     |

Mating harness

LEB Series  
LDC Series  
LCC Series

| Model   | Harness model #      |         |              |
|---------|----------------------|---------|--------------|
|         | Input                | Output  | Option: -Z □ |
| LEB100F | H-IN-5 or<br>H-IN-10 | H-OU-23 | H-OU-25      |
| LEB150F |                      | H-OU-23 |              |
| LEB225F |                      | H-OU-24 |              |

| Model           | Harness model #      |         |
|-----------------|----------------------|---------|
|                 | Input                | Output  |
| LDC15F          | H-IN-5 or<br>H-IN-10 | H-OU-13 |
| LDC30F · LCC30A |                      | H-OU-14 |
| LDC60F          |                      | H-OU-19 |

| <p>●Model number</p> <h2 style="margin: 0;">H-IN-5</h2> <p>Housing : VHR-5N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p>  | <p>●Type</p>    | <p>●Wire</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>green</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1    | UL1015 | 18 | black  | 500 | 2    |        |    |       |     | 3 | UL1015 | 18 | white  | 500 | 4    |        |    |       |     | 5    | UL1015 | 18 | green        | 500 |
|--|--|---|--------------|---------------|-----|-------|---------------|------|--------|----|--------|-----|------|--------|----|-------|-----|---|--------|----|--------|-----|------|--------|----|-------|-----|------|--------|----|--------------|-----|
| Pin #  | Wire   | AWG   | Color        | Length ℓ (mm) |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 1  | UL1015   | 18  | black        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 2  |  |   |              |               |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 3  | UL1015   | 18  | white        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 4  |  |   |              |               |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 5  | UL1015   | 18  | green        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| <p>●Model number</p> <h2 style="margin: 0;">H-IN-10</h2> <p>Housing : VHR-5N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p>   | <p>●Wire</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>white</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>green/yellow</td> <td>500</td> </tr> </tbody> </table>                                  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1    | UL1015 | 18 | black  | 500 | 2    |        |    |       |     | 3 | UL1015 | 18 | white  | 500 | 4    |        |    |       |     | 5    | UL1015 | 18 | green/yellow | 500 |
| Pin #  | Wire   | AWG   | Color        | Length ℓ (mm) |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 1  | UL1015   | 18  | black        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 2  |  |   |              |               |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 3  | UL1015   | 18  | white        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 4  |  |   |              |               |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 5  | UL1015   | 18  | green/yellow | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| <p>●Model number</p> <h2 style="margin: 0;">H-OU-13</h2> <p>Housing : XHP-8 (J.S.T.)<br/>Pin : SXH-001T-0.6 (J.S.T.)</p> | <p>●Type</p>  | <p>●Wire</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1, 2</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> <tr> <td>3, 4</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1007</td> <td>22</td> <td>orange</td> <td>500</td> </tr> <tr> <td>6, 7</td> <td>UL1007</td> <td>22</td> <td>gray</td> <td>500</td> </tr> <tr> <td>8</td> <td>UL1007</td> <td>22</td> <td>purple</td> <td>500</td> </tr> </tbody> </table> | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1, 2 | UL1007 | 22 | red    | 500 | 3, 4 | UL1007 | 22 | black | 500 | 5 | UL1007 | 22 | orange | 500 | 6, 7 | UL1007 | 22 | gray  | 500 | 8    | UL1007 | 22 | purple       | 500 |
| Pin #  | Wire   | AWG   | Color        | Length ℓ (mm) |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 1, 2   | UL1007   | 22  | red          | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 3, 4   | UL1007   | 22  | black        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 5  | UL1007   | 22  | orange       | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 6, 7   | UL1007   | 22  | gray         | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 8  | UL1007   | 22  | purple       | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| <p>●Model number</p> <h2 style="margin: 0;">H-OU-14</h2> <p>Housing : VHR-6N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p>  | <p>●Wire</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>purple</td> <td>500</td> </tr> <tr> <td>2, 3</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>       | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1    | UL1015 | 18 | purple | 500 | 2, 3 | UL1015 | 18 | gray  | 500 | 4 | UL1015 | 18 | orange | 500 | 5    | UL1015 | 18 | black | 500 | 6    | UL1015 | 18 | red          | 500 |
| Pin #  | Wire   | AWG   | Color        | Length ℓ (mm) |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 1  | UL1015   | 18  | purple       | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 2, 3   | UL1015   | 18  | gray         | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 4  | UL1015   | 18  | orange       | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 5  | UL1015   | 18  | black        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 6  | UL1015   | 18  | red          | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| <p>●Model number</p> <h2 style="margin: 0;">H-OU-19</h2> <p>Housing : VHR-8N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p>  | <p>●Wire</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>purple</td> <td>500</td> </tr> <tr> <td>2, 3</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>5, 6</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>7, 8</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table> | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1    | UL1015 | 18 | purple | 500 | 2, 3 | UL1015 | 18 | gray  | 500 | 4 | UL1015 | 18 | orange | 500 | 5, 6 | UL1015 | 18 | black | 500 | 7, 8 | UL1015 | 18 | red          | 500 |
| Pin #  | Wire   | AWG   | Color        | Length ℓ (mm) |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 1  | UL1015   | 18  | purple       | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 2, 3   | UL1015   | 18  | gray         | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 4  | UL1015   | 18  | orange       | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 5, 6   | UL1015   | 18  | black        | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |
| 7, 8   | UL1015   | 18  | red          | 500           |     |       |               |      |        |    |        |     |      |        |    |       |     |   |        |    |        |     |      |        |    |       |     |      |        |    |              |     |

| <p>●Model number<br/><b>H-OU-23</b></p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1, 2</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>3, 4</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>5, 6</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>7, 8</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>        | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1, 2    | UL1015 | 18 | gray   | 500 | 3, 4    | UL1015 | 18 | orange | 500 | 5, 6 | UL1015 | 18 | black  | 500 | 7, 8  | UL1015 | 18 | red | 500 |
|--|--------------|---|--------|-----------------|-----|-------|-----------------|---------|--------|----|--------|-----|---------|--------|----|--------|-----|------|--------|----|--------|-----|-------|--------|----|-----|-----|
| Pin #  | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 1, 2   | UL1015       | 18  | gray   | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 3, 4   | UL1015       | 18  | orange | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 5, 6   | UL1015       | 18  | black  | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 7, 8   | UL1015       | 18  | red    | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| <p>●Model number<br/><b>H-OU-24</b></p> <p>Housing : VHR-10N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1, 2, 3</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>4, 5, 6</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>7, 8</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>9, 10</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table> | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1, 2, 3 | UL1015 | 18 | gray   | 500 | 4, 5, 6 | UL1015 | 18 | orange | 500 | 7, 8 | UL1015 | 18 | black  | 500 | 9, 10 | UL1015 | 18 | red | 500 |
| Pin #  | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 1, 2, 3  | UL1015       | 18  | gray   | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 4, 5, 6  | UL1015       | 18  | orange | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 7, 8   | UL1015       | 18  | black  | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 9, 10  | UL1015       | 18  | red    | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| <p>●Model number<br/><b>H-OU-25</b></p> <p>Housing : XHP-3 (J.S.T.)<br/>Pin : SXH-001-P0.6 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>orange</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>gray</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1007</td> <td>22</td> <td>purple</td> <td>500</td> </tr> </tbody> </table>   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1       | UL1007 | 22 | orange | 500 | 2       | UL1007 | 22 | gray   | 500 | 3    | UL1007 | 22 | purple | 500 |       |        |    |     |     |
| Pin #  | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 1  | UL1007       | 22  | orange | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 2  | UL1007       | 22  | gray   | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |
| 3  | UL1007       | 22  | purple | 500             |     |       |                 |         |        |    |        |     |         |        |    |        |     |      |        |    |        |     |       |        |    |     |     |

Harness for input/output(J type) is prepared in R series.

R Series  
RMB Series  
RMC Series

Mating harness

| Model                  | Harness model # |         |
|------------------------|-----------------|---------|
|                        | Input           | Output  |
| R10A · 15A · 25A · 50A | H-IN-3          | H-OU-9  |
| RMB15A · 30A · 50A     |                 | H-OU-16 |
| RMC15A · 30A · 50A     |                 | H-OU-15 |

| <p>●Model number</p> <h2>H-IN-3</h2> <p>Housing : VHR-5N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>20</td> <td>green</td> <td>500</td> </tr> </tbody> </table>   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 20 | white  | 500 | 2 |        |    |        |     | 3 | UL1015 | 20 | black | 500 | 4 |        |    |        |     | 5 | UL1015 | 20 | green | 500 |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
|---|--------------|--|--------|-----------------|-----|-------|-----------------|---|--------|----|--------|-----|---|--------|----|--------|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|-----|-----|---|--------|----|-----|-----|
| Pin #   | Wire         | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 1   | UL1015       | 20   | white  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 2   |              |  |        |                 |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 3   | UL1015       | 20   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 4   |              |  |        |                 |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 5   | UL1015       | 20   | green  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| <p>●Model number</p> <h2>H-OU-9</h2> <p>Housing : VHR-4N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 18 | black  | 500 | 2 | UL1015 | 18 | black  | 500 | 3 | UL1015 | 18 | red   | 500 | 4 | UL1015 | 18 | red    | 500 |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| Pin #   | Wire         | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 1   | UL1015       | 18   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 2   | UL1015       | 18   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 3   | UL1015       | 18   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 4   | UL1015       | 18   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| <p>●Model number</p> <h2>H-OU-15</h2> <p>Housing : VHR-8N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>purple</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>7</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>8</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table> | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 18 | purple | 500 | 2 | UL1015 | 18 | gray   | 500 | 3 | UL1015 | 18 | gray  | 500 | 4 | UL1015 | 18 | orange | 500 | 5 | UL1015 | 18 | black | 500 | 6 | UL1015 | 18 | black | 500 | 7 | UL1015 | 18 | red | 500 | 8 | UL1015 | 18 | red | 500 |
| Pin #   | Wire         | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 1   | UL1015       | 18   | purple | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 2   | UL1015       | 18   | gray   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 3   | UL1015       | 18   | gray   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 4   | UL1015       | 18   | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 5   | UL1015       | 18   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 6   | UL1015       | 18   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 7   | UL1015       | 18   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 8   | UL1015       | 18   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| <p>●Model number</p> <h2>H-OU-16</h2> <p>Housing : VHR-6N (J.S.T.)<br/>Pin : SVH-21T-1.1 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>gray</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>orange</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> </tbody> </table>   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1015 | 18 | gray   | 500 | 2 | UL1015 | 18 | orange | 500 | 3 | UL1015 | 18 | black | 500 | 4 | UL1015 | 18 | black  | 500 | 5 | UL1015 | 18 | red   | 500 | 6 | UL1015 | 18 | red   | 500 |   |        |    |     |     |   |        |    |     |     |
| Pin #   | Wire         | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 1   | UL1015       | 18   | gray   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 2   | UL1015       | 18   | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 3   | UL1015       | 18   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 4   | UL1015       | 18   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 5   | UL1015       | 18   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |
| 6   | UL1015       | 18   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |

Harness for remote sensing & parallel operation by 2 units is prepared in UAW/UAF/LDA series.

UAW Series  
UAF Series  
LDA Series

Mating harness

| Model               | Harness model # | Contents                          |
|---------------------|-----------------|-----------------------------------|
| UAW125S             | H-SN-1          | For remote sensing                |
| UAW250S             | H-SN-1          | For remote sensing                |
|                     | H-PA-2          | For parallel operation by 2 units |
| UAW500S/<br>UAF500S | H-SN-2          | For remote sensing                |
|                     | H-PA-1          | For parallel operation by 2 units |
| LDA300W             | H-SN-1          | For remote sensing                |

| <p>●Model number</p> <h2>H-SN-1</h2> <p>Housing : XHP-4 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>\ell</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>   | Pin #  | Wire               | AWG | Color | Length $\ell$ (mm) | 1     |        |    |       |     | 2    | UL1061 | 28 | black | 500 | 3    | UL1061 | 28 | red | 500 | 4 |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
|--|--------------|---|--------|--------------------|-----|-------|--------------------|-------|--------|----|-------|-----|------|--------|----|-------|-----|------|--------|----|-----|-----|---|--------|----|-----|-----|-------|--------|----|--------|-----|----|--------|----|-------|-----|
| Pin #  | Wire         | AWG   | Color  | Length $\ell$ (mm) |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 1  |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 2  | UL1061       | 28  | black  | 500                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 3  | UL1061       | 28  | red    | 500                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 4  |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| <p>●Model number</p> <h2>H-SN-2</h2> <p>Housing : ZHR-10 (J.S.T.)<br/>Pin : SZH-002T-P0.5 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>\ell</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1 - 4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>6, 7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>9, 10</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>  | Pin #  | Wire               | AWG | Color | Length $\ell$ (mm) | 1 - 4 |        |    |       |     | 5    | UL1061 | 28 | black | 500 | 6, 7 |        |    |     |     | 8 | UL1061 | 28 | red | 500 | 9, 10 |        |    |        |     |    |        |    |       |     |
| Pin #  | Wire         | AWG   | Color  | Length $\ell$ (mm) |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 1 - 4  |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 5  | UL1061       | 28  | black  | 500                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 6, 7   |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 8  | UL1061       | 28  | red    | 500                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 9, 10  |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| <p>●Model number</p> <h2>H-PA-1</h2> <p>Housing : ZHR-10 (J.S.T.)<br/>Pin : SZH-002T-P0.5 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>\ell</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1 - 3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4, 5</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>-</td> </tr> <tr> <td>6, 8</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>-</td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>UL1061</td> <td>28</td> <td>yellow</td> <td>220</td> </tr> <tr> <td>10</td> <td>UL1061</td> <td>28</td> <td>green</td> <td>220</td> </tr> </tbody> </table> | Pin #  | Wire               | AWG | Color | Length $\ell$ (mm) | 1 - 3 |        |    |       |     | 4, 5 | UL1061 | 28 | black | -   | 6, 8 | UL1061 | 28 | red | -   | 7 |        |    |     |     | 9     | UL1061 | 28 | yellow | 220 | 10 | UL1061 | 28 | green | 220 |
| Pin #  | Wire         | AWG   | Color  | Length $\ell$ (mm) |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 1 - 3  |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 4, 5   | UL1061       | 28  | black  | -                  |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 6, 8   | UL1061       | 28  | red    | -                  |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 7  |              |   |        |                    |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 9  | UL1061       | 28  | yellow | 220                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 10   | UL1061       | 28  | green  | 220                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| <p>●Model number</p> <h2>H-PA-2</h2> <p>Housing : XHP-3 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>\ell</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>white</td> <td>180</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>180</td> </tr> <tr> <td>3</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>180</td> </tr> </tbody> </table>   | Pin #  | Wire               | AWG | Color | Length $\ell$ (mm) | 1     | UL1007 | 22 | white | 180 | 2    | UL1007 | 22 | black | 180 | 3    | UL1007 | 22 | red | 180 |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| Pin #  | Wire         | AWG   | Color  | Length $\ell$ (mm) |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 1  | UL1007       | 22  | white  | 180                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 2  | UL1007       | 22  | black  | 180                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |
| 3  | UL1007       | 22  | red    | 180                |     |       |                    |       |        |    |       |     |      |        |    |       |     |      |        |    |     |     |   |        |    |     |     |       |        |    |        |     |    |        |    |       |     |

Harness for input/output(J type) is prepared in P & PAA series.

P Series  
PAA Series

Mating harness

| Model              | Harness model #  |         |
|--------------------|------------------|---------|
|                    | Input            | Output  |
| P15E · P30E · P50E | H-IN-2 or H-IN-9 | H-OU-20 |
| PAA50F             | H-IN-1 or H-IN-8 | H-OU-21 |
| PAA75F             |                  |         |

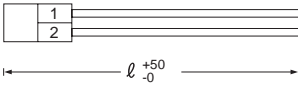
| <p>●Model number</p> <h2>H-IN-1</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 20 | green        | 500 | 2 | UL1015 | 20 | black | 500 | 3 |        |    |       |     | 4 | UL1015 | 20 | white | 500 |   |        |    |       |     |   |        |    |       |     |
|---|--------------|---|--------------|---------------|-----|-------|---------------|---|--------|----|--------------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 20  | green        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 20  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 3   |              |   |              |               |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 20  | white        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-IN-2</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 20 | green        | 500 | 2 | UL1015 | 20 | white | 500 | 3 |        |    |       |     | 4 | UL1015 | 20 | black | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 20  | green        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 20  | white        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 3   |              |   |              |               |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 20  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-IN-8</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green/yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 20 | green/yellow | 500 | 2 | UL1015 | 20 | black | 500 | 3 |        |    |       |     | 4 | UL1015 | 20 | white | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 20  | green/yellow | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 20  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 3   |              |   |              |               |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 20  | white        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-IN-9</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green/yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 20 | green/yellow | 500 | 2 | UL1015 | 20 | white | 500 | 3 |        |    |       |     | 4 | UL1015 | 20 | black | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 20  | green/yellow | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 20  | white        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 3   |              |   |              |               |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 20  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-OU-20</h2> <p>Housing : 5196-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 18 | red          | 500 | 2 | UL1015 | 18 | red   | 500 | 3 | UL1015 | 18 | black | 500 | 4 | UL1015 | 18 | black | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 3   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-OU-21</h2> <p>Housing : 5196-06 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> </tbody> </table> | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 18 | red          | 500 | 2 | UL1015 | 18 | red   | 500 | 3 | UL1015 | 18 | red   | 500 | 4 | UL1015 | 18 | black | 500 | 5 | UL1015 | 18 | black | 500 | 6 | UL1015 | 18 | black | 500 |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 3   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 5   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |
| 6   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |

Harness for remote ON/OFF(R type) is prepared in LDA, UAW, PAA, LEA, LEB & LEP series.

**LDA Series**  
**UAW Series**  
**PAA Series**  
**LEA Series**  
**LEB Series**  
**LEP Series**

**Mating harness**

| Model   | Harness model # |
|---|-----------------|
| LDA50F, LDA75F, LDA100W, LDA150W, LDA300W                   | H-RC-1          |
| UAW250S   |                 |
| PAA50F, PAA75F, PAA100F, PAA150F                            |                 |
| LEA50F, LEA75F, LEA100F, LEA150F, LEP100F, LEP150F, LEP240F |                 |
| LEB100F, LEB150F, LEB225F                                   |                 |

| <p>●Model number</p> <p><b>H-RC-1</b></p> <p>Housing : XHP-2 (J.S.T.)<br/>                 Pin : SXH-001T-P0.6 (J.S.T.)</p> | <p>●Type</p>  | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>orange</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>blue</td> <td>500</td> </tr> </tbody> </table> | Pin #  | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1007 | 22 | orange | 500 | 2 | UL1007 | 22 | blue | 500 |
|---|--|---|--------|---------------|-----|-------|---------------|---|--------|----|--------|-----|---|--------|----|------|-----|
| Pin #   | Wire   | AWG   | Color  | Length ℓ (mm) |     |       |               |   |        |    |        |     |   |        |    |      |     |
| 1   | UL1007   | 22  | orange | 500           |     |       |               |   |        |    |        |     |   |        |    |      |     |
| 2   | UL1007   | 22  | blue   | 500           |     |       |               |   |        |    |        |     |   |        |    |      |     |



Harness to use the function of the output module is prepared in MAX series.

# MAX Series

## Mating harness

| Model    | Harness model # | Contents  |
|----------|-----------------|---|
| MAX1600F | H-SN-3          | Harness for using no function of the output module. It is appended to standard model. |
| MAX1600T | H-SN-4          | Harness for using all functions of output module.                                     |
| MAX3200T | H-SN-6          | Harness for using all functions except remote sensing of the output module.           |

| <p>●Model number</p> <h2>H-SN-3</h2> <p>Housing : PHDR-12VS (J.S.T.)<br/>Pin : SPHD-002T-P0.5 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>UL1061</td><td>28</td><td>red</td><td>30</td></tr> <tr><td>2</td><td>UL1061</td><td>28</td><td>black</td><td>30</td></tr> <tr><td>3</td><td>UL1061</td><td>28</td><td>red</td><td>30</td></tr> <tr><td>4</td><td>UL1061</td><td>28</td><td>black</td><td>30</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1061 | 28 | red | 30 | 2 | UL1061 | 28 | black | 30 | 3 | UL1061 | 28 | red | 30  | 4 | UL1061 | 28 | black | 30  | 5 | -      | -  | -     | -   | 6 | -      | -  | -     | -   | 7 | -      | -  | -      | -   | 8 | -      | -  | -     | -   | 9 | -      | -  | -      | -   | 10 | -      | -  | -     | -   | 11 | -      | -  | -    | -   | 12 | -      | -  | -      | -   |
|--|--------------|---|--------|-----------------|-----|-------|-----------------|---|--------|----|-----|----|---|--------|----|-------|----|---|--------|----|-----|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|----|--------|----|-------|-----|----|--------|----|------|-----|----|--------|----|--------|-----|
| Pin #  | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 1  | UL1061       | 28  | red    | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 2  | UL1061       | 28  | black  | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 3  | UL1061       | 28  | red    | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 4  | UL1061       | 28  | black  | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 5  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 6  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 7  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 8  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 9  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 10   | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 11   | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 12   | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-SN-4</h2> <p>Housing : PHDR-12VS (J.S.T.)<br/>Pin : SPHD-002T-P0.5 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>UL1061</td><td>28</td><td>red</td><td>500</td></tr> <tr><td>4</td><td>UL1061</td><td>28</td><td>black</td><td>500</td></tr> <tr><td>5</td><td>UL1061</td><td>28</td><td>brown</td><td>500</td></tr> <tr><td>6</td><td>UL1061</td><td>28</td><td>black</td><td>500</td></tr> <tr><td>7</td><td>UL1061</td><td>28</td><td>orange</td><td>500</td></tr> <tr><td>8</td><td>UL1061</td><td>28</td><td>black</td><td>500</td></tr> <tr><td>9</td><td>UL1061</td><td>28</td><td>yellow</td><td>500</td></tr> <tr><td>10</td><td>UL1061</td><td>28</td><td>green</td><td>500</td></tr> <tr><td>11</td><td>UL1061</td><td>28</td><td>blue</td><td>500</td></tr> <tr><td>12</td><td>UL1061</td><td>28</td><td>purple</td><td>500</td></tr> </tbody> </table>                   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | -      | -  | -   | -  | 2 | -      | -  | -     | -  | 3 | UL1061 | 28 | red | 500 | 4 | UL1061 | 28 | black | 500 | 5 | UL1061 | 28 | brown | 500 | 6 | UL1061 | 28 | black | 500 | 7 | UL1061 | 28 | orange | 500 | 8 | UL1061 | 28 | black | 500 | 9 | UL1061 | 28 | yellow | 500 | 10 | UL1061 | 28 | green | 500 | 11 | UL1061 | 28 | blue | 500 | 12 | UL1061 | 28 | purple | 500 |
| Pin #  | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 1  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 2  | -            | -   | -      | -               |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 3  | UL1061       | 28  | red    | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 4  | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 5  | UL1061       | 28  | brown  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 6  | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 7  | UL1061       | 28  | orange | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 8  | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 9  | UL1061       | 28  | yellow | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 10   | UL1061       | 28  | green  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 11   | UL1061       | 28  | blue   | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 12   | UL1061       | 28  | purple | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| <p>●Model number</p> <h2>H-SN-6</h2> <p>Housing : PHDR-12VS (J.S.T.)<br/>Pin : SPHD-002T-P0.5 (J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>UL1061</td><td>28</td><td>red</td><td>30</td></tr> <tr><td>2</td><td>UL1061</td><td>28</td><td>black</td><td>30</td></tr> <tr><td>3</td><td>UL1061</td><td>28</td><td>red</td><td>30</td></tr> <tr><td>4</td><td>UL1061</td><td>28</td><td>black</td><td>30</td></tr> <tr><td>5</td><td>UL1061</td><td>28</td><td>brown</td><td>500</td></tr> <tr><td>6</td><td>UL1061</td><td>28</td><td>black</td><td>500</td></tr> <tr><td>7</td><td>UL1061</td><td>28</td><td>orange</td><td>500</td></tr> <tr><td>8</td><td>UL1061</td><td>28</td><td>black</td><td>500</td></tr> <tr><td>9</td><td>UL1061</td><td>28</td><td>yellow</td><td>500</td></tr> <tr><td>10</td><td>UL1061</td><td>28</td><td>green</td><td>500</td></tr> <tr><td>11</td><td>UL1061</td><td>28</td><td>blue</td><td>500</td></tr> <tr><td>12</td><td>UL1061</td><td>28</td><td>purple</td><td>500</td></tr> </tbody> </table> | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1061 | 28 | red | 30 | 2 | UL1061 | 28 | black | 30 | 3 | UL1061 | 28 | red | 30  | 4 | UL1061 | 28 | black | 30  | 5 | UL1061 | 28 | brown | 500 | 6 | UL1061 | 28 | black | 500 | 7 | UL1061 | 28 | orange | 500 | 8 | UL1061 | 28 | black | 500 | 9 | UL1061 | 28 | yellow | 500 | 10 | UL1061 | 28 | green | 500 | 11 | UL1061 | 28 | blue | 500 | 12 | UL1061 | 28 | purple | 500 |
| Pin #  | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 1  | UL1061       | 28  | red    | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 2  | UL1061       | 28  | black  | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 3  | UL1061       | 28  | red    | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 4  | UL1061       | 28  | black  | 30              |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 5  | UL1061       | 28  | brown  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 6  | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 7  | UL1061       | 28  | orange | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 8  | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 9  | UL1061       | 28  | yellow | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 10   | UL1061       | 28  | green  | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 11   | UL1061       | 28  | blue   | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |
| 12   | UL1061       | 28  | purple | 500             |     |       |                 |   |        |    |     |    |   |        |    |       |    |   |        |    |     |     |   |        |    |       |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |        |     |    |        |    |       |     |    |        |    |      |     |    |        |    |        |     |

\* The even number pin side of the connector is the same wiring as the odd number pin side.

Harness to use the function of the output module is prepared in ACE series.

## ACE Series

### Mating harness

| Model      | Harness model # | Contents   |
|------------|-----------------|--|
| ACE series | H-SN-14         | Harness for using AUX and PR alarm of CN1.   |
|            | H-SN-16         | Harness for using all function of output modules. (CN2)                            |
|            | H-SN-17         | Harness for using all functions except remote sensing of the output modules. (CN2) |
|            | H-SN-18         | Harness for using remote ON/OFF of output module S, T, U.(CN2)                     |

| <p>●Model number</p> <h2>H-SN-14</h2> <p>Housing : XHP-3 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p>      | <p>●Type</p>  | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>black</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1007</td> <td>22</td> <td>red</td> <td>500</td> </tr> </tbody> </table>  | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1007 | 22 | black  | 500 | 2 | UL1007 | 22 | yellow | 500 | 3 | UL1007 | 22 | red | 500 |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
|---|---|--|--------|-----------------|-----|-------|-----------------|---|--------|----|--------|-----|---|--------|----|--------|-----|---|--------|----|-----|-----|---|---|---|---|---|---|--------|----|------|-----|---|--------|----|-------|-----|---|--------|----|-----|-----|---|--------|----|-----|-----|---|--------|----|-------|-----|----|--------|----|-------|-----|
| Pin #   | Wire  | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 1   | UL1007  | 22   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 2   | UL1007  | 22   | yellow | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 3   | UL1007  | 22   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| <p>●Model number</p> <h2>H-SN-16</h2> <p>Housing : PHDR-10VS (J.S.T.)<br/>Pin : SPHD-002T-P0.5 (J.S.T.)</p> | <p>●Type</p>  | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1061</td> <td>28</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>orange</td> <td>500</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>5</td> <td>UL1061</td> <td>28</td> <td>blue</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>7</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>8</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>9</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>10</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> </tbody> </table> | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1061 | 28 | yellow | 500 | 2 | UL1061 | 28 | orange | 500 | 3 | -      | -  | -   | -   | 4 | - | - | - | - | 5 | UL1061 | 28 | blue | 500 | 6 | UL1061 | 28 | black | 500 | 7 | UL1061 | 28 | red | 500 | 8 | UL1061 | 28 | red | 500 | 9 | UL1061 | 28 | black | 500 | 10 | UL1061 | 28 | black | 500 |
| Pin #   | Wire  | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 1   | UL1061  | 28   | yellow | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 2   | UL1061  | 28   | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 3   | -   | -  | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 4   | -   | -  | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 5   | UL1061  | 28   | blue   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 6   | UL1061  | 28   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 7   | UL1061  | 28   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 8   | UL1061  | 28   | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 9   | UL1061  | 28   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 10  | UL1061  | 28   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| <p>★ The even number pin side of the connector is the same wiring as the odd number pin side.</p>           |   |  |        |                 |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| <p>●Model number</p> <h2>H-SN-17</h2> <p>Housing : PHDR-10VS (J.S.T.)<br/>Pin : SPHD-002T-P0.5 (J.S.T.)</p> | <p>●Type</p> <p>★ Pin #7 and #8 are shorted with harness and also pin #9 and #10.</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1061</td> <td>28</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>orange</td> <td>500</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>5</td> <td>UL1061</td> <td>28</td> <td>blue</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>7</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>30</td> </tr> <tr> <td>8</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>30</td> </tr> <tr> <td>9</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>30</td> </tr> <tr> <td>10</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>30</td> </tr> </tbody> </table>     | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1061 | 28 | yellow | 500 | 2 | UL1061 | 28 | orange | 500 | 3 | -      | -  | -   | -   | 4 | - | - | - | - | 5 | UL1061 | 28 | blue | 500 | 6 | UL1061 | 28 | black | 500 | 7 | UL1061 | 28 | red | 30  | 8 | UL1061 | 28 | red | 30  | 9 | UL1061 | 28 | black | 30  | 10 | UL1061 | 28 | black | 30  |
| Pin #   | Wire  | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 1   | UL1061  | 28   | yellow | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 2   | UL1061  | 28   | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 3   | -   | -  | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 4   | -   | -  | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 5   | UL1061  | 28   | blue   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 6   | UL1061  | 28   | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 7   | UL1061  | 28   | red    | 30              |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 8   | UL1061  | 28   | red    | 30              |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 9   | UL1061  | 28   | black  | 30              |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 10  | UL1061  | 28   | black  | 30              |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| <p>★ The even number pin side of the connector is the same wiring as the odd number pin side.</p>           |   |  |        |                 |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| <p>●Model number</p> <h2>H-SN-18</h2> <p>Housing : PHR-2 (J.S.T.)<br/>Pin : SPH-002T-P0.5S (J.S.T.)</p>     | <p>●Type</p>  | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>26</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>26</td> <td>orange</td> <td>500</td> </tr> </tbody> </table>   | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1007 | 26 | yellow | 500 | 2 | UL1007 | 26 | orange | 500 |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| Pin #   | Wire  | AWG  | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 1   | UL1007  | 26   | yellow | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |
| 2   | UL1007  | 26   | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |   |   |   |   |   |        |    |      |     |   |        |    |       |     |   |        |    |     |     |   |        |    |     |     |   |        |    |       |     |    |        |    |       |     |

Harness to use the function of ADA Series is prepared.

★ Please see the our company home page or consult us about detailed information.

# ADA Series

## Mating harness

| Model      | Harness model # | Contents   |
|------------|-----------------|--|
| ADA Series | H-SN-23         | :Harness for using option:-W and/or -R when I/O interface is terminal block type (standard). |
|            | H-IN-11         | :Input harness when I/O interface is connector type (option:-J).                             |
|            | H-OU-26         | :Output harness when I/O interface is connector type (option:-J).                            |
|            | H-PA-5          | :Harness for parallel operation when I/O interface is connector type (option:-J).            |
|            | H-RC-2          | :Harness for using option:-R when I/O interface is connector type (option:-J).               |

●Model number  
**H-SN-23**

Housing : PHDR-14VS(J.S.T)  
Pin : SPHD-002T-PO.5(J.S.T)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length ℓ (mm) |
|-------|--------|-----|--------|---------------|
| 1     | UL1061 | 28  | red    | 500           |
| 2     | UL1061 | 28  | black  | 500           |
| 3     | -      | -   | -      | -             |
| 4     | -      | -   | -      | -             |
| 5     | -      | -   | -      | -             |
| 6     | -      | -   | -      | -             |
| 7     | -      | -   | -      | -             |
| 8     | -      | -   | -      | -             |
| 9     | UL1061 | 28  | orange | 500           |
| 10    | UL1061 | 28  | blue   | 500           |
| 11    | -      | -   | -      | -             |
| 12    | -      | -   | -      | -             |
| 13    | UL1061 | 28  | yellow | 500           |
| 14    | UL1061 | 28  | black  | 500           |

★ Even number pin side of the connector is the same wiring as odd number pin side.

●Model number  
**H-IN-11**

Housing : 1-178129-6(AMP)  
Pin : 1-353717-5 equivalent goods(AMP)

●Type

●Wire

| Pin # | Wire   | AWG | Color | Length ℓ (mm) |
|-------|--------|-----|-------|---------------|
| B 1   | UL1051 | 18  | white | 500           |
| A 1   | UL1051 | 18  | white | 500           |
| B 2   | -      | -   | -     | -             |
| A 2   | -      | -   | -     | -             |
| B 3   | UL1051 | 18  | black | 500           |
| A 3   | UL1051 | 18  | black | 500           |

●Model number  
**H-OU-26**

Housing : 178289-5(AMP)  
Pin : 1-353717-5 equivalent goods(AMP)

●Type

●Wire

| Pin # | Wire   | AWG | Color | Length ℓ (mm) |
|-------|--------|-----|-------|---------------|
| B 1   | UL1007 | 16  | red   | 500           |
| A 1   | UL1007 | 16  | red   | 500           |
| B 2   | UL1007 | 16  | red   | 500           |
| A 2   | UL1007 | 16  | red   | 500           |
| B 3   | UL1007 | 16  | red   | 500           |
| A 3   | UL1007 | 16  | black | 500           |
| B 4   | UL1007 | 16  | black | 500           |
| A 4   | UL1007 | 16  | black | 500           |
| B 5   | UL1007 | 16  | black | 500           |
| A 5   | UL1007 | 16  | black | 500           |

●Model number  
**H-PA-5**

Housing : 171822-2(AMP)  
Pin : 170205-2 equivalent goods(AMP)

●Type

●Wire

| Pin # | Wire   | AWG | Color | Length ℓ (mm) |
|-------|--------|-----|-------|---------------|
| 1     | UL1007 | 22  | white | 200           |
| 2     | UL1007 | 22  | black | 200           |

●Model number  
**H-RC-2**

Housing : 171822-3(AMP)  
Pin : 170205-2 equivalent goods(AMP)

●Type

●Wire

| Pin # | Wire   | AWG | Color | Length ℓ (mm) |
|-------|--------|-----|-------|---------------|
| 1     | UL1007 | 22  | white | 500           |
| 2     | -      | -   | -     | -             |
| 3     | UL1007 | 22  | red   | 500           |

Harness to use the function is prepared in PB series.

# PB Series

## Mating harness

| Model   | Harness model #  | Contents  |
|---|------------------|---|
| PBA10F, PBA15F, PBW15F, PBA30F, PBW30F, PBA50F, PBW50F, PBA75F, PBA100F, PBA150F ★1 | H-IN-1 or H-IN-8 | Input harness when I/O interface is connector type (option : -J)  |
| PBA10F, PBA15F, PBA30F, PBA50F  | H-OU-20          | Output harness when I/O interface is connector type (option : -J) |
| PBA75F, PBA100F, PBA150F ★1   | H-OU-21          | Output harness when I/O interface is connector type (option : -J) |
| PBW15F, PBW30F, PBW50F  | H-OU-27          | Output harness when I/O interface is connector type (option : -J) |
| PBA50F, PBW50F, PBA75F, PBA100F, PBA150F  | H-RC-1           | Harness for using option : -R                                     |
| PBA100F, PBA150F ★2   | H-SN-1           | Harness for using option : -K                                     |
| PBA50F, PBW50F, PBA75F, PBA100F, PBA150F  | H-SN-18          | Harness for using option : -V                                     |
| PBA300F<br>PBA600F<br>PBA1000F<br>PBA1500F  | H-PA-3           | Harness for parallel operation                                    |
|   | H-SN-20          | Harness for using all functions of CN1 and CN2                    |
|   | H-SN-21          | Harness for using all functions except remote sensing of CN2      |
|   | H-SN-22          | Harness for using all functions of CN3                            |
|   | H-SN-24          | Harness for using example remote ON/OFF circuit (C)               |

★1 Available for 12V, 15V, 24V, 36V and 48V output model in PBA100F / 150F.

★2 Available for 3.3V and 5V output model in PBA100F / 150F.

| <p>●Model number</p> <h2>H-IN-1</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 20 | green        | 500 | 2 | UL1015 | 20 | black | 500 | 3 |        |    |       |     | 4 | UL1015 | 20 | white  | 500 |   |        |    |       |     |   |        |    |       |     |
|---|--------------|---|--------------|---------------|-----|-------|---------------|---|--------|----|--------------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|---|--------|----|-------|-----|---|--------|----|-------|-----|
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 20  | green        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 20  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 3   |              |   |              |               |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 20  | white        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-IN-8</h2> <p>Housing : 5199-04 (Molex)<br/>Pin : 5194 (Molex)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>20</td> <td>green/yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>white</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 20 | green/yellow | 500 | 2 | UL1015 | 20 | black | 500 | 3 |        |    |       |     | 4 | UL1015 | 20 | white  | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 20  | green/yellow | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 20  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 3   |              |   |              |               |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 20  | white        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-OU-20</h2> <p>Housing : 5196-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> </tbody> </table>   | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 18 | red          | 500 | 2 | UL1015 | 18 | red   | 500 | 3 | UL1015 | 18 | black | 500 | 4 | UL1015 | 18 | black  | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 3   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-OU-21</h2> <p>Housing : 5196-06 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> </tbody> </table> | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 18 | red          | 500 | 2 | UL1015 | 18 | red   | 500 | 3 | UL1015 | 18 | red   | 500 | 4 | UL1015 | 18 | black  | 500 | 5 | UL1015 | 18 | black | 500 | 6 | UL1015 | 18 | black | 500 |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 3   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 5   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 6   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| <p>●Model number</p> <h2>H-OU-27</h2> <p>Housing : 5196-04 (Molex)<br/>Pin : 5194 (Molex)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length ℓ (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1015</td> <td>18</td> <td>black</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>18</td> <td>purple</td> <td>500</td> </tr> </tbody> </table>  | Pin #        | Wire          | AWG | Color | Length ℓ (mm) | 1 | UL1015 | 18 | red          | 500 | 2 | UL1015 | 18 | black | 500 | 3 | UL1015 | 18 | black | 500 | 4 | UL1015 | 18 | purple | 500 |   |        |    |       |     |   |        |    |       |     |
| Pin #   | Wire         | AWG   | Color        | Length ℓ (mm) |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 1   | UL1015       | 18  | red          | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 2   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 3   | UL1015       | 18  | black        | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |
| 4   | UL1015       | 18  | purple       | 500           |     |       |               |   |        |    |              |     |   |        |    |       |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |       |     |

| <p>●Model number<br/><b>H-RC-1</b></p> <p>Housing : XHP-2 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p>     | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>22</td> <td>orange</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>22</td> <td>blue</td> <td>500</td> </tr> </tbody> </table>  | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1007 | 22 | orange | 500 | 2 | UL1007 | 22 | blue   | 500 |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
|---|--------------|---|--------|-----------------|-----|-------|-----------------|---|--------|----|--------|-----|---|--------|----|--------|-----|---|--------|----|-----|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|---|--------|----|-------|-----|---|--------|----|------|-----|---|--------|----|-------|-----|---|--------|----|--------|-----|----|--------|----|--------|-----|
| Pin #   | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 1   | UL1007       | 22  | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 2   | UL1007       | 22  | blue   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number<br/><b>H-SN-1</b></p> <p>Housing : XHP-4 (J.S.T.)<br/>Pin : SXH-001T-P0.6 (J.S.T.)</p>     | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>  | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 |        |    |        |     | 2 | UL1061 | 28 | black  | 500 | 3 | UL1061 | 28 | red | 500 | 4 |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| Pin #   | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 1   |              |   |        |                 |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 2   | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 3   | UL1061       | 28  | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 4   |              |   |        |                 |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number<br/><b>H-SN-18</b></p> <p>Housing : PHR-2 (J.S.T.)<br/>Pin : SPH-002T-P0.5S (J.S.T.)</p>   | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UL1007</td> <td>26</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1007</td> <td>26</td> <td>orange</td> <td>500</td> </tr> </tbody> </table>  | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | UL1007 | 26 | yellow | 500 | 2 | UL1007 | 26 | orange | 500 |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| Pin #   | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 1   | UL1007       | 26  | yellow | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 2   | UL1007       | 26  | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number<br/><b>H-PA-3</b></p> <p>Housing : PHDR-10VS(J.S.T.)<br/>Pin : SPHD-002T-P0.5(J.S.T.)</p>  | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>270</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>270</td> </tr> <tr> <td>5</td> <td>UL1061</td> <td>28</td> <td>yellow</td> <td>270</td> </tr> <tr> <td>6</td> <td>UL1061</td> <td>28</td> <td>green</td> <td>270</td> </tr> <tr> <td>7</td> <td>UL1061</td> <td>28</td> <td>blue</td> <td>270</td> </tr> <tr> <td>8</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>9</td> <td>UL1061</td> <td>28</td> <td>orange</td> <td>270</td> </tr> <tr> <td>10</td> <td>UL1061</td> <td>28</td> <td>purple</td> <td>270</td> </tr> </tbody> </table>             | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | -      | -  | -      | -   | 2 | UL1061 | 28 | red    | 270 | 3 | -      | -  | -   | -   | 4 | UL1061 | 28 | black | 270 | 5 | UL1061 | 28 | yellow | 270 | 6 | UL1061 | 28 | green | 270 | 7 | UL1061 | 28 | blue | 270 | 8 | -      | -  | -     | -   | 9 | UL1061 | 28 | orange | 270 | 10 | UL1061 | 28 | purple | 270 |
| Pin #   | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 1   | -            | -   | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 2   | UL1061       | 28  | red    | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 3   | -            | -   | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 4   | UL1061       | 28  | black  | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 5   | UL1061       | 28  | yellow | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 6   | UL1061       | 28  | green  | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 7   | UL1061       | 28  | blue   | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 8   | -            | -   | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 9   | UL1061       | 28  | orange | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 10  | UL1061       | 28  | purple | 270             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| <p>●Model number<br/><b>H-SN-20</b></p> <p>Housing : PHDR-10VS(J.S.T.)<br/>Pin : SPHD-002T-P0.5(J.S.T.)</p> | <p>●Type</p> | <p>●Wire</p> <table border="1"> <thead> <tr> <th>Pin #</th> <th>Wire</th> <th>AWG</th> <th>Color</th> <th>Length <math>l</math> (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>UL1061</td> <td>28</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1061</td> <td>28</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1061</td> <td>28</td> <td>green</td> <td>500</td> </tr> <tr> <td>7</td> <td>UL1061</td> <td>28</td> <td>blue</td> <td>500</td> </tr> <tr> <td>8</td> <td>UL1061</td> <td>28</td> <td>black</td> <td>500</td> </tr> <tr> <td>9</td> <td>UL1061</td> <td>28</td> <td>orange</td> <td>500</td> </tr> <tr> <td>10</td> <td>UL1061</td> <td>28</td> <td>purple</td> <td>500</td> </tr> </tbody> </table> | Pin #  | Wire            | AWG | Color | Length $l$ (mm) | 1 | -      | -  | -      | -   | 2 | UL1061 | 28 | red    | 500 | 3 | -      | -  | -   | -   | 4 | UL1061 | 28 | black | 500 | 5 | UL1061 | 28 | yellow | 500 | 6 | UL1061 | 28 | green | 500 | 7 | UL1061 | 28 | blue | 500 | 8 | UL1061 | 28 | black | 500 | 9 | UL1061 | 28 | orange | 500 | 10 | UL1061 | 28 | purple | 500 |
| Pin #   | Wire         | AWG   | Color  | Length $l$ (mm) |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 1   | -            | -   | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 2   | UL1061       | 28  | red    | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 3   | -            | -   | -      | -               |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 4   | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 5   | UL1061       | 28  | yellow | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 6   | UL1061       | 28  | green  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 7   | UL1061       | 28  | blue   | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 8   | UL1061       | 28  | black  | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 9   | UL1061       | 28  | orange | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |
| 10  | UL1061       | 28  | purple | 500             |     |       |                 |   |        |    |        |     |   |        |    |        |     |   |        |    |     |     |   |        |    |       |     |   |        |    |        |     |   |        |    |       |     |   |        |    |      |     |   |        |    |       |     |   |        |    |        |     |    |        |    |        |     |

●Model number  
**H-SN-21**

Housing : PHDR-10VS(J.S.T)  
Pin : SPHD-002T-P0.5(J.S.T)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length ℓ (mm) |
|-------|--------|-----|--------|---------------|
| 1     | -      | -   | -      | -             |
| 2     | -      | -   | -      | -             |
| 3     | -      | -   | -      | -             |
| 4     | -      | -   | -      | -             |
| 5     | UL1061 | 28  | yellow | 500           |
| 6     | UL1061 | 28  | green  | 500           |
| 7     | UL1061 | 28  | blue   | 500           |
| 8     | UL1061 | 28  | black  | 500           |
| 9     | UL1061 | 28  | orange | 500           |
| 10    | UL1061 | 28  | purple | 500           |

●Model number  
**H-SN-22**

Housing : PHDR-8VS(J.S.T)  
Pin : SPHD-002T-P0.5(J.S.T)

●Type

●Wire

| Pin # | Wire   | AWG | Color  | Length ℓ (mm) |
|-------|--------|-----|--------|---------------|
| 1     | -      | -   | -      | -             |
| 2     | -      | -   | -      | -             |
| 3     | UL1061 | 28  | pink   | 500           |
| 4     | UL1061 | 28  | brown  | 500           |
| 5     | UL1061 | 28  | white  | 500           |
| 6     | -      | -   | -      | -             |
| 7     | UL1061 | 28  | yellow | 500           |
| 8     | UL1061 | 28  | gray   | 500           |

●Model number  
**H-SN-24**

CN1 :  
Housing : PHDR-10VS(J.S.T)  
Pin : SPHD-002T-P0.5(J.S.T)

CN2 :  
Housing : PHDR-08VS(J.S.T)  
Pin : SPHD-002T-P0.5(J.S.T)

●Type

●Wire

| Pin # | Wire | AWG    | Color | Length ℓ (mm) |    |
|-------|------|--------|-------|---------------|----|
| CN1   | 1    | UL1061 | 28    | red           | 30 |
|       | 2    | UL1061 | 28    | red           | 30 |
|       | 3    | UL1061 | 28    | black         | 30 |
|       | 4    | UL1061 | 28    | black         | 30 |
|       | 5    | -      | -     | -             | -  |
|       | 6    | -      | -     | -             | -  |
|       | 7    | -      | -     | -             | -  |
|       | 8    | -      | -     | -             | -  |
|       | 9    | UL1061 | 28    | black         | 70 |
|       | 10   | UL1061 | 28    | black         | 70 |
| CN2   | 1    | -      | -     | -             |    |
|       | 2    | -      | -     | -             |    |
|       | 3    | -      | -     | -             |    |
|       | 4    | UL1061 | 28    | black         | 70 |
|       | 5    | UL1061 | 28    | black         | 70 |
|       | 6    | -      | -     | -             | -  |
|       | 7    | -      | -     | -             | -  |
|       | 8    | -      | -     | -             | -  |

\* Pin #1 and #2, Pin #3 and #4 in CN1 are connected by harness.  
\* Pin #9 in CN1 and Pin #4 in CN2 are connected by harness.  
\* Pin #10 in CN1 and Pin #5 in CN2 are connected by harness.

# Mouser Electronics

Authorized Distributor

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Cosel:

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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