

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) |

●Model number
H-SN-14

Housing : XHP-3 (J.S.T.)
Pin : SXH-001T-P0.6 (J.S.T.)
Weight : 10g max

●Type

●Wire

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

●Model number
H-SN-16

Housing : PHDR-10VS (J.S.T.)
Pin : SPHD-002T-P0.5 (J.S.T.)
Weight : 8g max

●Type

●Wire

| 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 |

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

●Model number
H-SN-17

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

●Type

* Pin #7 and #8 are shorted with harness and also pin #9 and #10.

●Wire

| 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 |

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

●Model number
H-SN-18

Housing : PHR-2 (J.S.T.)
Pin : SPH-002T-P0.5S (J.S.T.)
Weight : 4g max

●Type

●Wire

| Pin # | Wire | AWG | Color | Length l (mm) |
|-------|--------|-----|--------|-----------------|
| 1 | UL1007 | 26 | yellow | 500 |
| 2 | UL1007 | 26 | orange | 500 |

Option-28

August 31, 2022

| Type | Mating Model | Contents |
|---------|------------------------|--|
| B-ACE-7 | ACE series, AME series | Terminal attachment to facilitate faston terminal output modules |
| B-ACE-8 | ACE series | Terminal attachment to facilitate wiring |
| B-ACE-9 | ACE series | Terminal attachment for series operation as output modules |

*These attachments cannot be used for module code S, T, U, Y, W, Z, 9, Q, and V in ACE series.
 *B-ACE-7 of the attachment cannot be used for module code R in AME series.

| B-ACE-7 | B-ACE-8 |
|---|--|
| <p>Size</p> <p style="text-align: right;">Installation (TOP)</p> <ul style="list-style-type: none"> * Material : Copper * Thickness : 0.8 * Dimension in mm * Weight : 3g max | <p>Size</p> <p style="text-align: right;">Installation (TOP)</p> <ul style="list-style-type: none"> * Material : Brass * Thickness : 1.0 * Dimension in mm * Weight : 3g max |
| <p>Size</p> <p style="text-align: right;">Installation (TOP)</p> <ul style="list-style-type: none"> * Material : Brass * Thickness : 1.2 * Dimension in mm * Weight : 5g max | <p>Size</p> <p style="text-align: right;">Installation (TOP)</p> <ul style="list-style-type: none"> * Material : Brass * Thickness : 1.0 * Dimension in mm * Weight : 3g max |

* B-ACE-7: Recommended faston terminal #250.
Quantity is 1 piece.

* B-ACE-8: Please be careful with that B-ACE-8 is not stressed in wiring.
Quantity is a couple.

B-ACE-9

Size

Installation (TOP)

- * Material : Brass
- * Thickness : 1.0
- * Dimension in mm
- * Weight : 4g max

Fan unit

★ Fan unit is prepared by the option.

ACE Series MAX Series

| Fan unit type | Matching model | External | Pin connection | | | | | | | | |
|---|--|-------------------------|---|---------|---------|---|-----|---|-----------|---|-------|
| FAN-AC3 (Standard) | ACE300F <Standard> | ★ Weight : 75g max | CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T) <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>POWER</td> </tr> </tbody> </table> LENGTH OF HARNESS = 60 ± 10mm | Pin No. | Content | 1 | GND | 2 | FAN ALARM | 3 | POWER |
| Pin No. | Content | | | | | | | | | | |
| 1 | GND | | | | | | | | | | |
| 2 | FAN ALARM | | | | | | | | | | |
| 3 | POWER | | | | | | | | | | |
| FAN-AC3-F (Air flow reverse : -F) | ACE300F <Modification : F> | ★ Weight : 75g max | | | | | | | | | |
| FAN-AC3-K (Low speed : -K) | ACE300F <Modification : K> | ★ Weight : 85g max | | | | | | | | | |
| FAN-AC3-T (With filter : -T) | ACE300F <Modification : T> | ★ Weight : 130g max | | | | | | | | | |
| FAN-AC4 (Standard) | ACE450F ACE650F <Standard> | ★ Weight : 130g max | CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T) <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>POWER</td> </tr> </tbody> </table> LENGTH OF HARNESS = 55 ± 10mm | Pin No. | Content | 1 | GND | 2 | FAN ALARM | 3 | POWER |
| Pin No. | Content | | | | | | | | | | |
| 1 | GND | | | | | | | | | | |
| 2 | FAN ALARM | | | | | | | | | | |
| 3 | POWER | | | | | | | | | | |
| FAN-AC4-F (Air flow reverse : -F) | ACE450F ACE650F <Modification : F> | ★ Weight : 130g max | | | | | | | | | |
| FAN-AC4-K (Low speed : -K) | ACE450F ACE650F <Modification : K> | ★ Weight : 130g max | | | | | | | | | |
| FAN-AC4-T (With filter : -T) | ACE450F ACE650F <Modification : T> | ★ Weight : 180g max | | | | | | | | | |

★ 1 Handle with care and don't add the impact such as falls or throwing to the unit.

★ 2 Exchange the unit after intercepting the input power.

★ 3 When the unit is exchanged, make sure there are not loosening of the connector and shutting the harness.

Fan unit

★ Fan unit is prepared by the option.

ACE Series MAX Series

| Fan unit type | Matching model | External | Pin connection | | | | | | | | |
|---|--|------------------------|---|---------|---------|---|-------|---|-----------|---|-------|
| FAN-AC9 (Standard) | ACE900F <Standard> | ★Weight : 220g max | CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T) <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>POWER</td> </tr> </tbody> </table> LENGTH OF HARNESS = 55 ± 10mm | Pin No. | Content | 1 | GND | 2 | FAN ALARM | 3 | POWER |
| Pin No. | Content | | | | | | | | | | |
| 1 | GND | | | | | | | | | | |
| 2 | FAN ALARM | | | | | | | | | | |
| 3 | POWER | | | | | | | | | | |
| FAN-AC9-F (Air flow reverse : -F) | ACE900F <Modification : F> | ★Weight : 220g max | | | | | | | | | |
| FAN-AC9-K (Low speed : -K) | ACE900F <Modification : K> | ★Weight : 220g max | | | | | | | | | |
| FAN-AC9-T (With filter : -T) | ACE900F <Modification : T> | ★Weight : 320g max | | | | | | | | | |
| FAN-MA1 (Standard) | MAX1600F MAX1600T <Standard> | ★Weight : 400g max | | | | | | | | | |
| FAN-MA1-B (Long life : -B) | MAX1600F MAX1600T <Modification : B> | ★Weight : 550g max | CONNECTOR = XHP-3 (Mfr : J. S. T) TERMINAL = SXH-001T-P0.6 (Mfr : J. S. T) <table border="1"> <thead> <tr> <th>Pin No.</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>POWER</td> </tr> <tr> <td>2</td> <td>FAN ALARM</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> </tbody> </table> LENGTH OF HARNESS = 210 ± 15mm | Pin No. | Content | 1 | POWER | 2 | FAN ALARM | 3 | GND |
| Pin No. | Content | | | | | | | | | | |
| 1 | POWER | | | | | | | | | | |
| 2 | FAN ALARM | | | | | | | | | | |
| 3 | GND | | | | | | | | | | |
| FAN-MA3 (Standard) | MAX3200T <Standard> | ★Weight : 610g max | | | | | | | | | |
| FAN-MA3-B (Long life : -B) | MAX3200T <Modification : B> | ★Weight : 830g max | | | | | | | | | |

- ★ 1 Handle with care and don't add the impact such as falls or throwing to the unit.
- ★ 2 Exchange the unit after intercepting the input power.
- ★ 3 When the unit is exchanged, make sure there are not loosening of the connector and shutting the harness.