

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

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●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.

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●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.

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●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><b>Size</b></p> <p style="text-align: right;"><b>Installation (TOP)</b></p> <ul style="list-style-type: none"> <li>* Material : Copper</li> <li>* Thickness : 0.8</li> <li>* Dimension in mm</li> <li>* Weight : 3g max</li> </ul>	<p><b>Size</b></p> <p style="text-align: right;"><b>Installation (TOP)</b></p> <ul style="list-style-type: none"> <li>* Material : Brass</li> <li>* Thickness : 1.0</li> <li>* Dimension in mm</li> <li>* Weight : 3g max</li> </ul>

\* 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**

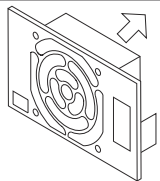
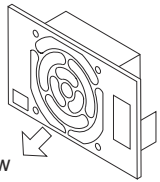
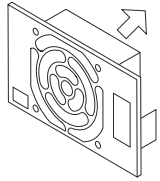
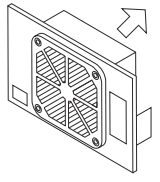
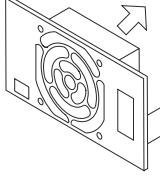
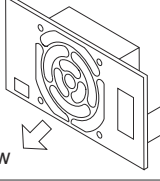
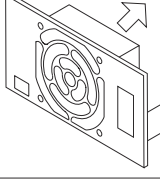
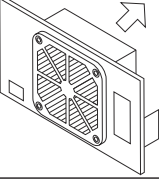
**Installation (TOP)**

- \* 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								
<b>FAN-AC3</b> (Standard)	<b>ACE300F</b> <Standard>	 <p>Air flow</p> <p>★ Weight : 75g max</p>	CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T) <table border="1" data-bbox="1181 744 1436 872"> <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										
<b>FAN-AC3-F</b> (Air flow reverse : -F)	<b>ACE300F</b> <Modification : F>	 <p>Air flow</p> <p>★ Weight : 75g max</p>									
<b>FAN-AC3-K</b> (Low speed : -K)	<b>ACE300F</b> <Modification : K>	 <p>Air flow</p> <p>★ Weight : 85g max</p>									
<b>FAN-AC3-T</b> (With filter : -T)	<b>ACE300F</b> <Modification : T>	 <p>Air flow</p> <p>★ Weight : 130g max</p>									
<b>FAN-AC4</b> (Standard)	<b>ACE450F</b> <b>ACE650F</b> <Standard>	 <p>Air flow</p> <p>★ Weight : 130g max</p>	CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T) <table border="1" data-bbox="1181 1510 1436 1638"> <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										
<b>FAN-AC4-F</b> (Air flow reverse : -F)	<b>ACE450F</b> <b>ACE650F</b> <Modification : F>	 <p>Air flow</p> <p>★ Weight : 130g max</p>									
<b>FAN-AC4-K</b> (Low speed : -K)	<b>ACE450F</b> <b>ACE650F</b> <Modification : K>	 <p>Air flow</p> <p>★ Weight : 130g max</p>									
<b>FAN-AC4-T</b> (With filter : -T)	<b>ACE450F</b> <b>ACE650F</b> <Modification : T>	 <p>Air flow</p> <p>★ Weight : 180g max</p>									

★ 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								
<b>FAN-AC9</b> (Standard)	<b>ACE900F</b> <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										
<b>FAN-AC9-F</b> (Air flow reverse : -F)	<b>ACE900F</b> <Modification : F>	 ★Weight : 220g max									
<b>FAN-AC9-K</b> (Low speed : -K)	<b>ACE900F</b> <Modification : K>	 ★Weight : 220g max									
<b>FAN-AC9-T</b> (With filter : -T)	<b>ACE900F</b> <Modification : T>	 ★Weight : 320g max									
<b>FAN-MA1</b> (Standard)	<b>MAX1600F</b> <b>MAX1600T</b> <Standard>	 ★Weight : 400g max									
<b>FAN-MA1-B</b> (Long life : -B)	<b>MAX1600F</b> <b>MAX1600T</b> <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										
<b>FAN-MA3</b> (Standard)	<b>MAX3200T</b> <Standard>	 ★Weight : 610g max									
<b>FAN-MA3-B</b> (Long life : -B)	<b>MAX3200T</b> <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.