

RB Series

Mating harness

Model	Harness model #	Contents
RBC200F RBC300F	H-IN- 5	Input harness (ground wire : green)
	H-IN-10	Input harness (ground wire : green/yellow)
	H-OU-41	Output harness (for V3)
RBC200F	H-OU-39	Output harness (for V1 · V2)
	H-OU-40	Output harness (for V1 · ±V2)
	H-SN-64	Harness for using Remote control / Alarm / Communication · For Remote control Use only pin # 1 and 3 · For Alarm and Communication Use only pin # 2 and 3
	H-IN-25	Harness for connecting the external capacitor unit (CR-HUT).
RBC300F	H-OU-49	Output harness (for V2)
	H-OU-50	Output harness (for ±V2)
	H-OU-51	Output harness (for V1)
	H-SN-70	Harness for using Remote control · For Remote control Use only pin # 1 and 3

<p>●Model number H-IN-5 Housing : VHR-5N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 30g max</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
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4																																
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<p>●Model number H-IN-10 Housing : VHR-5N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 30g max</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
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<p>●Model number H-OU-41 Housing : VHR-2N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 20g max</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> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1015	18	red	500	2	UL1015	18	black	500															
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<p>●Model number H-OU-39 Housing : VHR-7N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 70g max</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, 2</td> <td>UL1015</td> <td>18</td> <td>red</td> <td>500</td> </tr> <tr> <td>3, 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>gray</td> <td>500</td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1, 2	UL1015	18	red	500	3, 4	UL1015	18	black	500	5	UL1015	18	orange	500	6	UL1015	18	gray	500	7				
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<p>●Model number H-SN-64 Housing : PHR-3 (J.S.T.) Pin : SPH-002T-P0.5S (J.S.T.) Weight : 4g max</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>UL1017</td> <td>26</td> <td>orange</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1017</td> <td>26</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1017</td> <td>26</td> <td>blue</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1017	26	orange	500	2	UL1017	26	yellow	500	3	UL1017	26	blue	500										
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<p>●Model number H-IN-25 CN A: Housing : VHR-3N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) CN B: Housing : VHR-4N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 5g max</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 rowspan="3">CN A</td> <td>1</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>100</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>red</td> <td>100</td> </tr> <tr> <td rowspan="2">CN B</td> <td>1</td> <td>UL1015</td> <td>20</td> <td>black</td> <td>100</td> </tr> <tr> <td>4</td> <td>UL1015</td> <td>20</td> <td>red</td> <td>100</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	CN A	1	UL1015	20	black	100	2					3	UL1015	20	red	100	CN B	1	UL1015	20	black	100	4	UL1015	20	red	100			
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<p>●Model number H-OU-49 Housing : VHR-4N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 20g max</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>orange</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></td> <td></td> <td></td> <td></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	UL1015	18	orange	500	2	UL1015	18	gray	500	3					4														
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<p>●Model number H-OU-50 Housing : VHR-4N (J.S.T.) Pin : SVH-21T-P1.1 (J.S.T.) Weight : 30g max</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>orange</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>purple</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	UL1015	18	orange	500	2	UL1015	18	gray	500	3	UL1015	18	purple	500	4														
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<p>●Model number H-OU-51 Housing : VHR-6N (J.S.T.) Pin : SVH-41T-P1.1 (J.S.T.) Weight : 65g max</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>UL1430</td> <td>16</td> <td>red</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1430</td> <td>16</td> <td>red</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1430</td> <td>16</td> <td>red</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1430</td> <td>16</td> <td>black</td> <td>500</td> </tr> <tr> <td>5</td> <td>UL1430</td> <td>16</td> <td>black</td> <td>500</td> </tr> <tr> <td>6</td> <td>UL1430</td> <td>16</td> <td>black</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1430	16	red	500	2	UL1430	16	red	500	3	UL1430	16	red	500	4	UL1430	16	black	500	5	UL1430	16	black	500	6	UL1430	16	black	500
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<p>●Model number H-SN-70 Housing : PHR-4 (J.S.T.) Pin : SPH-002T-P0.5S (J.S.T.) Weight : 8g max</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>UL1017</td> <td>26</td> <td>orange</td> <td>500</td> </tr> <tr> <td>2</td> <td>UL1017</td> <td>26</td> <td>yellow</td> <td>500</td> </tr> <tr> <td>3</td> <td>UL1017</td> <td>26</td> <td>blue</td> <td>500</td> </tr> <tr> <td>4</td> <td>UL1017</td> <td>26</td> <td>gray</td> <td>500</td> </tr> </tbody> </table>	Pin #	Wire	AWG	Color	Length ℓ (mm)	1	UL1017	26	orange	500	2	UL1017	26	yellow	500	3	UL1017	26	blue	500	4	UL1017	26	gray	500										
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External capacitor unit

By connecting an external capacitor unit to the power supply, it is possible to extend the hold-up time.

External capacitor unit model	Approved power supply	Hold-up time *	Appearance
CR-HUT241-1 (Rated capacitance:240 μ F)	LHA150F LHA300F LFP240F LFP300F RBC200F <U1 type>	100 ms (Power supply output 180W)	
		55 ms (Power supply output 360W)	
CR-HUT721-1 (Rated capacitance:720 μ F)		220 ms (Power supply output 180W)	
		110 ms (Power supply output 360W)	
CR-HUT282-2 (Rated capacitance:2,800 μ F)		650 ms (Power supply output 180W)	
		300 ms (Power supply output 360W)	
CR-HUT502-2 (Rated capacitance:5,040 μ F)	1,100 ms (Power supply output 180W)		
	500 ms (Power supply output 360W)		

* It is reference data in the case of connecting LFP300F-□-TU1Y.
 Hold-up time will vary depending on the environment (power supply, output power, etc).
 Please refer to the Instruction Manual of approved power supply for more information.

1 Specification

	ITEM	CR-HUT241-1	CR-HUT721-1	CR-HUT282-2	CR-HUT502-2
ELECTRICAL SPECIFICATIONS	INPUT VOLTAGE[V]	DC420max			
	RATED CAPACITANCE [μ F]	240typ	720typ	2,800typ	5,040typ
	CHARGE COMPLETION TIME [s] *1	2yp	5typ	30typ	60typ
	LED LIGHTING VOLTAGE [V] *2	45typ			
	DISCHARGING TIME [s]	30typ	55typ	165typ	285typ
ENVIRONMENT	OPERATING TEMP., HUMID. *3	-20 to +70°C, 20 - 90%RH (Non condensing)			
	STORAGE TEMP., HUMID.	-20 to +75°C, 20 - 90%RH (Non condensing)			
	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis			
AGENCY APPROVALS		Be certified by connecting to the correct power			
OTHERS	SIZE	45 × 48 × 110mm [1.77 × 1.89 × 4.33 inches] (W × H × D)		85 × 58 × 206mm [3.35 × 2.28 × 8.11 inches] (W × H × D)	
	WEIGHT	105g max	195g max	525g max	860g max
	COOLING METHOD	Convection			

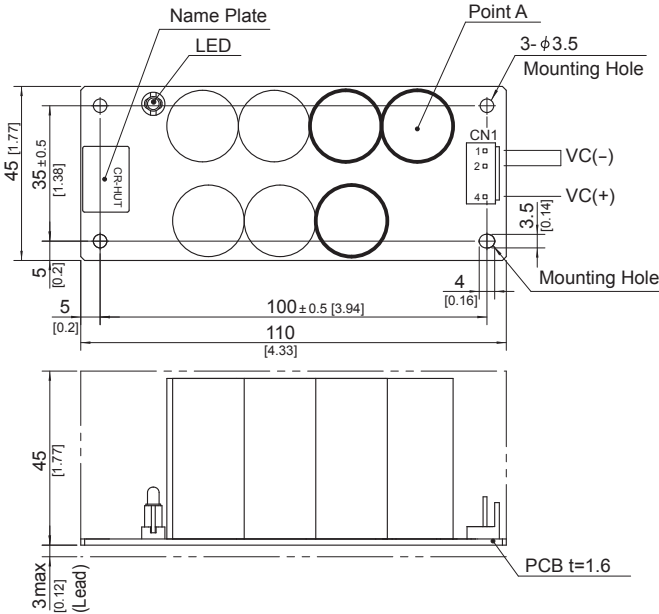
*1 Time to be charged to over 98% of the applied voltage.

*2 Capacitor voltage which LED turns on.

*3 LED turn off time after input voltage shut off from full charged condition.

2 External View

1. CR-HUT□-1



- ※4 Mounting holes are existing.
- ※The back side of P.C.B. of the power supply is assembled some SMDs.
Be attention not to bump against the attached area by vibration.
- ※Do not use press-fitting bush.
- ※Point A is thermometry points. Please refer to Instruction Manual 3.

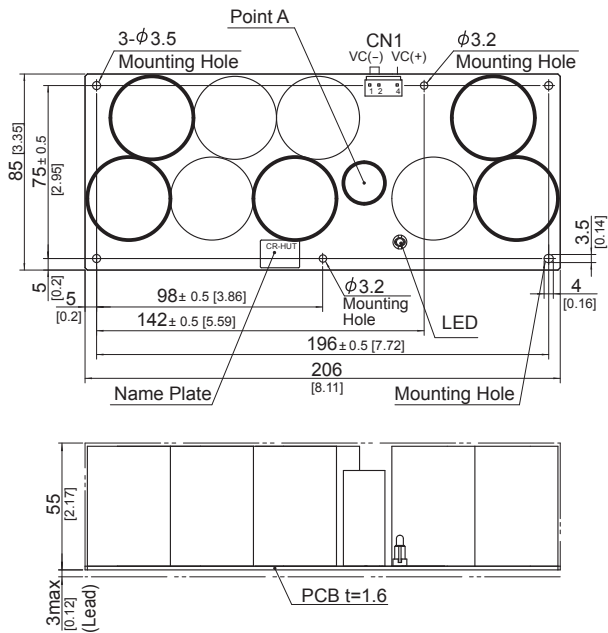
- ※Dimensions in mm, []=inches
- ※Tolerance : ±1 [±0.04]
- ※Weight : 105g max (CR-HUT241-1)
195g max (CR-HUT721-1)
- ※PCB material : CEM3
- ※Thick line represents the capacitor mounted on CR-HUT241-1.
All capacitors are mounted on CR-HUT721-1.

CN1

Connector	B3P4-VH			
Mating Connector	VHR-4N			
Terminal	Chain : SVH-21T-P1.1			
	Loose : BVH-21T-P1.1			
Manufacturer	J.S.T.			
Pin No.	1	2	3	4
Function	VC(-)	VC(-)		VC(+)

※Pin 3 is removed

2. CR-HUT□-2



- ※4 Mounting holes are existing.
- ※The back side of P.C.B. of the power supply is assembled some SMDs.
Be attention not to bump against the attached area by vibration.
- ※Do not use press-fitting bush.
- ※Point A is thermometry points. Please refer to Instruction Manual 3.

- ※Dimensions in mm, []=inches
- ※Tolerance : ±1 [±0.04]
- ※Weight : 525g max (CR-HUT282-2)
860g max (CR-HUT502-2)
- ※PCB material : CEM3
- ※Thick line represents the capacitor mounted on CR-HUT282-2.
All capacitors are mounted on CR-HUT502-2.

CN1

Connector	B3P4-VH			
Mating Connector	VHR-4N			
Terminal	Chain : SVH-21T-P1.1			
	Loose : BVH-21T-P1.1			
Manufacturer	J.S.T.			
Pin No.	1	2	3	4
Function	VC(-)	VC(-)		VC(+)

※Pin 3 is removed

3 Assembling and Installation Method

3.1 Installation method

- This external capacitor unit is manufactured by SMD technology. The stress to P.C.B like twisting or bending causes the defect of the unit, so handle the unit with care.
- In case of metal chassis, keep the distance between d_1 & d_2 for to insulate between lead of component and metal chassis. If it is less than d_1 & d_2 , insert the insulation sheet between external capacitor unit and metal chassis.

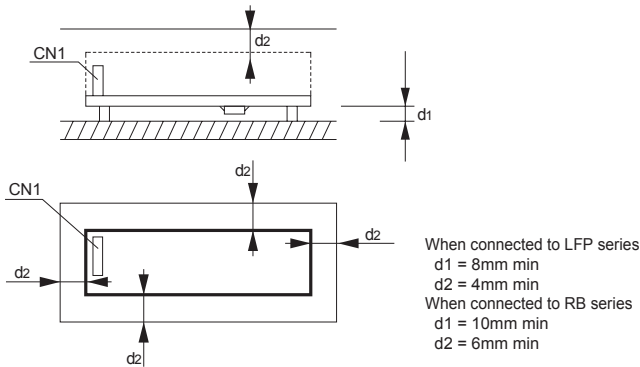


Fig.3.1 Installation method

- There is a possibility that it is not possible to cool enough when the external capacitor unit is used by the sealing up space as showing in Figure 3.2. Please use it after confirming the temperature of point A of Instruction Manual 3.2.

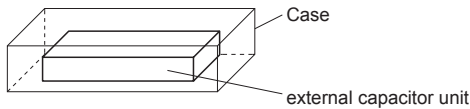


Fig.3.2 Installation example

■ Connection method

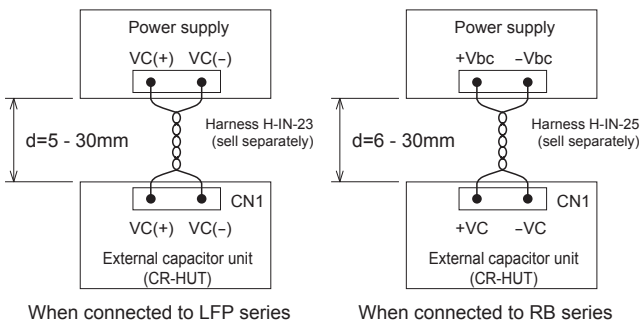


Fig.3.3 Connection method

● Caution

- (1) Distance between the external capacitor unit and power supply unit must be secured more than 5mm. When connected to RB series, distance must be secured more than 6mm.
- (2) It must be 30mm or less, since the noise is generated from the wire which is connecting the external capacitor unit and power supply. And, it is necessary to twist the wire as short as possible.
- (3) It is necessary to use wires which rated voltage is 600V or more.

■ Mounting method

● CR-HUT□-1

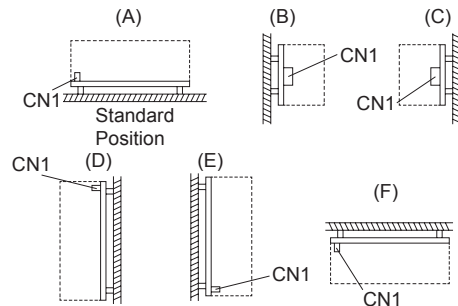


Fig.3.4 CR-HUT□-1 Mounting method

● CR-HUT□-2

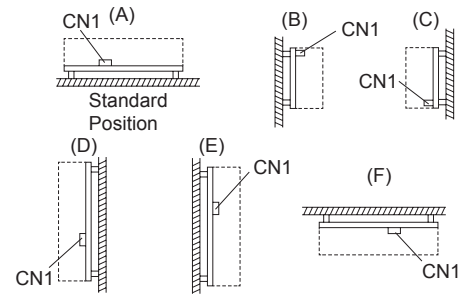


Fig.3.5 CR-HUT□-2 Mounting method

3.2 Environment to use the Unit and Installation environment

- When using the unit, it is necessary to dissipate heat of the external capacitor unit. Table 3.1 shows the relation between the maximum temperature Point A and Installation environment. Please consider the ventilation to keep sufficient convection for whole external capacitor unit. And temperature of Point A must be kept under maximum temperature shown table 3.1. The expectancy life at maximum temperature of Point A is three years or more. Please refer to External View for the position of Point A. Please contact us for details.

Remarks:

- * Please be careful of electric shock or earth leakage in case of temperature measurement, because Point A is live potential.
- * Please refer to 3.4 if you want to extend the longevity of the expectancy life.

Table 3.1 Temperatures of Point A

Mounting Method	Cooling Method	Max temperature[°C]
A,B,C,D,E	Convection	86
F	Convection	81
A,B,C,D,E,F	Forced air	75

3.3 Mounting screw

■The mounting screw should be M3. The hatched area shows the allowance of metal parts for mounting.

● CR-HUT□-1

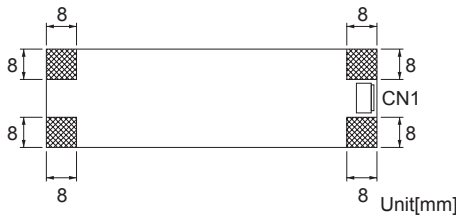


Fig.3.6 CR-HUT□-1 Allowance of metal for mounting

● CR-HUT□-2

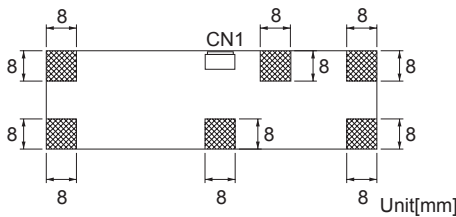


Fig.3.7 CR-HUT□-2 Allowance of metal for mounting

3.4 Expectancy life and warranty

■Expectancy Life.

Mounting Method	Cooling Method	Average ambient temperature (year)	Expectancy Life
A,B,C,D,E,F	Convection	Ta = 60°C or less	10years
		Ta = 70°C	6years

■Warranty

Warranty 5 years.

4 Others

- This external capacitor unit is the rugged PCB type. Do not drop conductive objects in the external capacitor unit.
- Do not touch absolutely during operation.
 - There is a risk of electric shock.
- High voltage remains inside the external capacitor unit after voltage shut off.
 - There is a risk of electric shock, do not touch until the LED turns off.
- There is possibility that electric charge is remained inside the capacitor.
 - Do not short-circuit the CN1 terminals.
- This external capacitor unit is manufactured by SMD technology.
 - The stress to PCB like twisting or bending causes the defect of the unit, so handle the unit with care.

- Tighten all the screws in the screw hole.
 - CR-HUT□-1 (4 places)
 - CR-HUT□-2 (6 places)

CR-HUT-2 may be a mounting method of the following. (Refer Fig.4.1)

Screw should be used to hole A (4 places).
 Screw or resin spacer should be used to hole B (2 places).
 Recommendation resin spacer: MPS series (KITAGAWA INDUSTRIES CO.,LTD.)

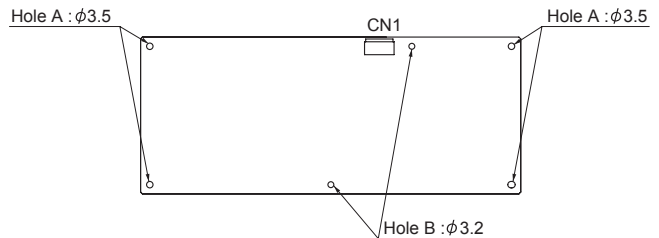


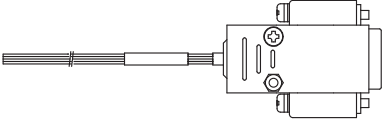
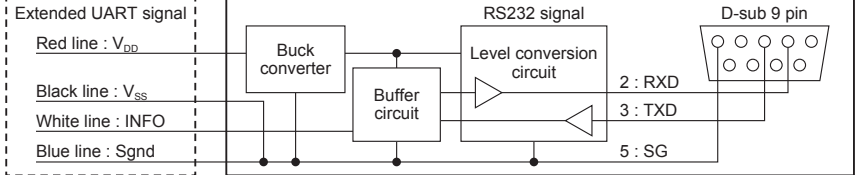
Fig.4.1 CR-HUT□-2 Resin spacer mounting method

- Install the PCB of the external capacitor unit horizontally to the surface of mounting.
- Avoid the impact such as drops.

Extended UART signal - RS232 signal converter

PCA Series
AME Series
RB Series

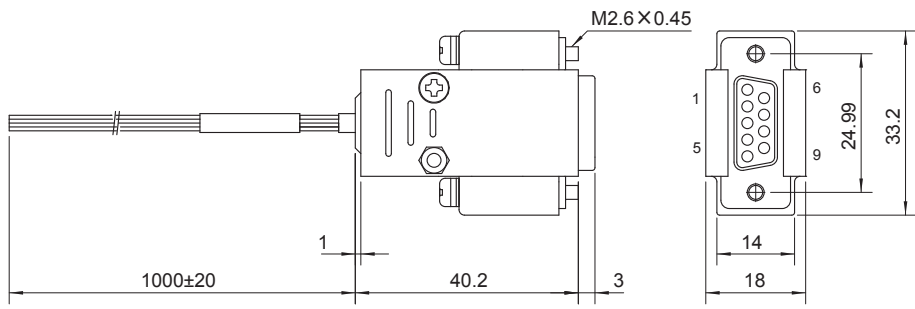
This is a unit to convert Extended UART signal to RS232 signal mutually.

Model number	Applicable power supply	Appearance
CR-PC-1	PCA300F PCA600F PCA1000F RBC200F <I3 Option> AME400F AME600F AME800F AME1200F <AI3 Option>	 <p>D-sub 9 Pin Female Connector</p> <p><Block Diagram></p> 

1 Specification

ITEM	CR-PC-1	
ELECTRICAL SPECIFICATIONS	V_{DD} - Vss voltage [V]	DC -0.3 to 14.4
	Sink current (Vcc) [mA]	DC 25
	INFO - Sgnd voltage [V]	DC -0.3 to 5.5
	RXD - SG voltage [V]	DC ±4.2 typ (RXD Loaded with 3kΩ to SG)
	RXD output short circuit current [mA]	DC ±60 max
	TXD - SG voltage [V]	DC -15 to 15 (Input Resistance 3 to 7kΩ)
	Number of connected	7 max
ENVIRONMENT	Operating temp.,humidity	-20 to 60°C, 20 to 90%RH (Non condensing)
	Storage temp.,humidity	-20 to 85°C, 20 to 90%RH (Non condensing)
	Vibration	10 - 55Hz 19.6m/s ² (2G) 3minutes period, 60 minutes each along X, Y, and Z axis
	Impact	196.1m/s ² (20G) 11ms, once each X,Y and Z axis
OTHERS	Weight	40g max

2 External View



- * Dimensions in mm
- * Tolerance : ±1
- * Weight : 40g max
- * AWG : 28

<Extended UART side>

Line color	Signal name	Contents
Red	V _{DD}	Power input
Black	V _{SS}	Ground
White	INFO	Extended UART data
Blue	Sgnd	Signal ground

<RS232>

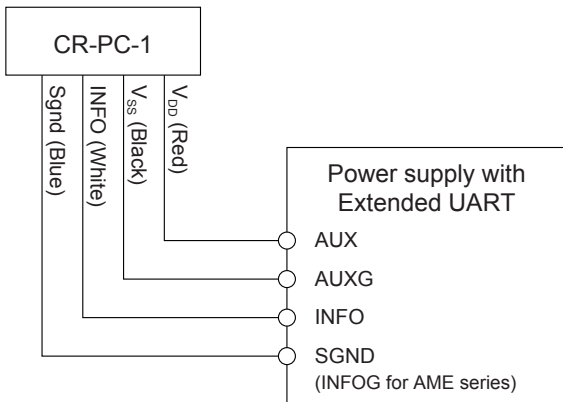
Pin number	Signal name	Contents
1	-	N.C.
2	RXD	RS232 received data
3	TXD	RS232 send data
4	-	N.C.
5	SG	Signal ground
6	-	N.C.
7	-	N.C.
8	-	N.C.
9	-	N.C.
Shell	-	N.C.

3 Assembling and Installation Method

3.1 Installation method

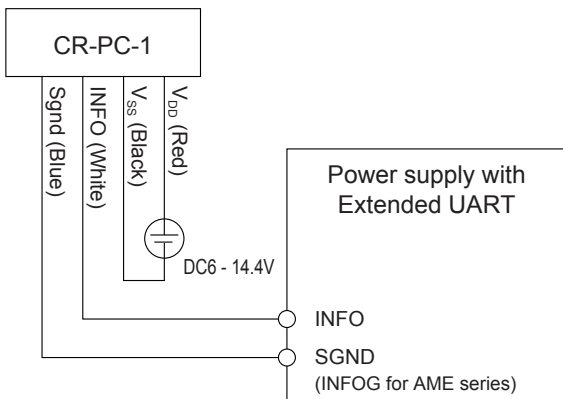
(1) For power supplies with Extended UART which have AUX (12V) power.

- Connect the V_{DD} line (red) to the AUX (12V) terminal and the V_{SS} line (black) to the AUXG terminal.
 - Connect the INFO line (white) to the INFO terminal and the Sgnd line (blue) to the SGND terminal (INFOG terminal for AME series).
 - Use a suitable housing and terminal.
- Refer to the instruction manual of the power supply for the pin assignment.



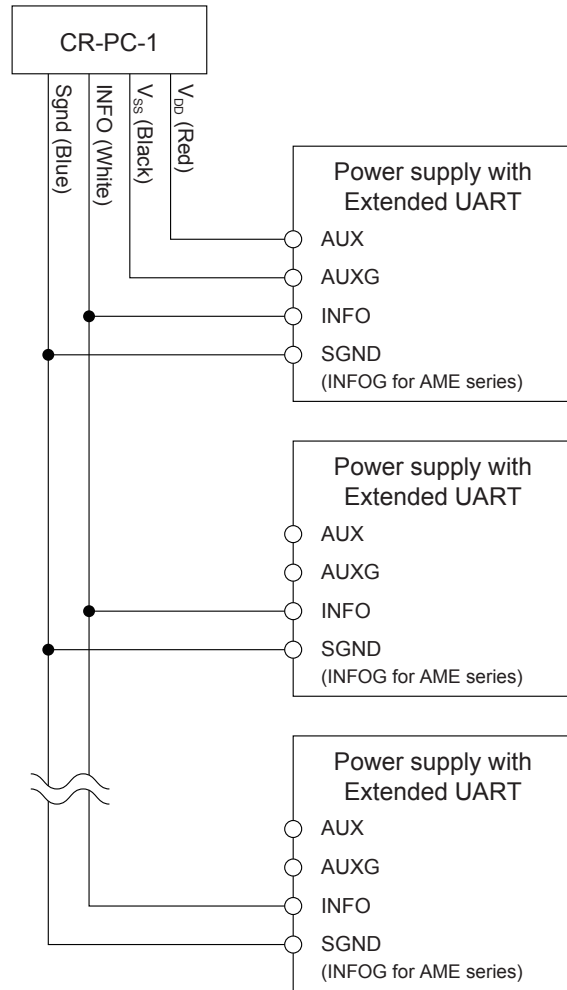
(2) For power supplies with Extended UART which do not have AUX (12V) power.

- Apply a voltage of 6 - 14.4 V between the V_{DD} line (red) (positive side) and the V_{SS} line (black) (ground side).
 - Connect the INFO line (white) to the INFO terminal and the Sgnd line (blue) to the SGND terminal (INFOG terminal for AME series).
 - Use a suitable housing and terminal.
- Refer to the instruction manual of the power supply for the pin assignment.



(3) Connecting a CR-PC-1 to multiple power supplies with Extended UART

- Connect one power supply by the method in (1) or (2).
- Then, connect INFO terminals and SGND terminals (INFOG terminals for AME series) in each power supply. Set addresses for each power supply based on the Extended UART Manual.



3.2 Warranty term

- The warranty term is 3 years. The failed unit will be replaced if it is under warranty.
- The mechanical damage by insertion and removal of the connector is not covered by warranty.
- The warranty shall be void if the unit is modified or disassembled.
- The failure or the damage by disasters, earthquakes, floods, fires or any other external factors is not covered by warranty.

4 Others

<WARNING>

- Do not use the product in places where there is flammable gas.
- Do not store or use in places where chemicals are vaporized or emitted or where chemicals adhere.
- This is not hot-swappable.
- Do not touch terminals when the product operates.
- Do not cover the product with something like cloth or paper. Do not put any flammable items around the product.

<CAUTION>

- Cosel is not liable for any consequences arising from use that is different from the stated use, or any use not mentioned.
- Never repair the product since it is dangerous.
- Note that operation in a noisy environment cannot be guaranteed.
- Be careful about static electricity.
- Incorrect wiring can damage the product.
Also, pay attention to the cable length and layout so that connectors and wires do not come off.
- Handle with care and do not give it a shock such as the dropping.
- Do not use this product for non-applicable power supplies.
- Do not use or store the product in an environment where conductive materials fall on the product or where condensation occurs due to water or moisture.