INSTALLATION INSTRUCTIONS

R-model Battery Box

RBB-01
OPTIONS

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1 Parts identifications and dimensions

Battery box

Dummy battery

Battery lead (Black)

Battery lead (Red)

Push

Additional battery parts
(for 1/2AA x2 only)

Jacket   Minus parts   Plus partst   Minus parts   Plus parts

63.0

57.1   21.2

Unit: mm
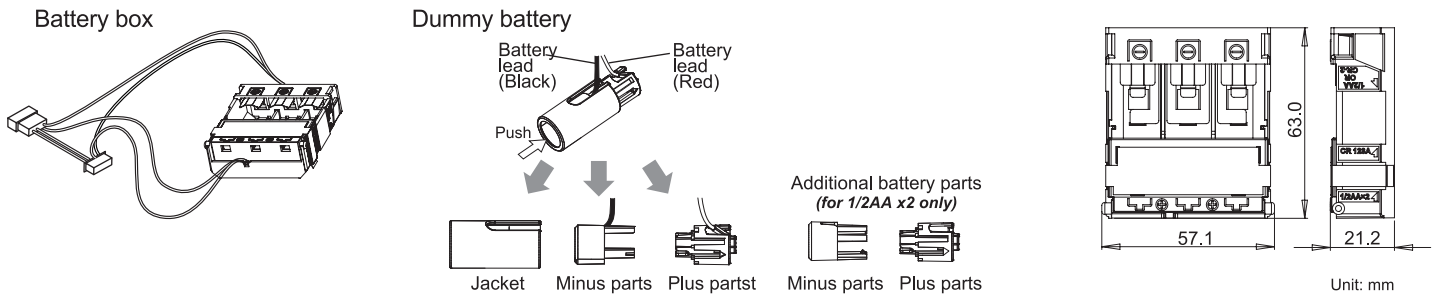
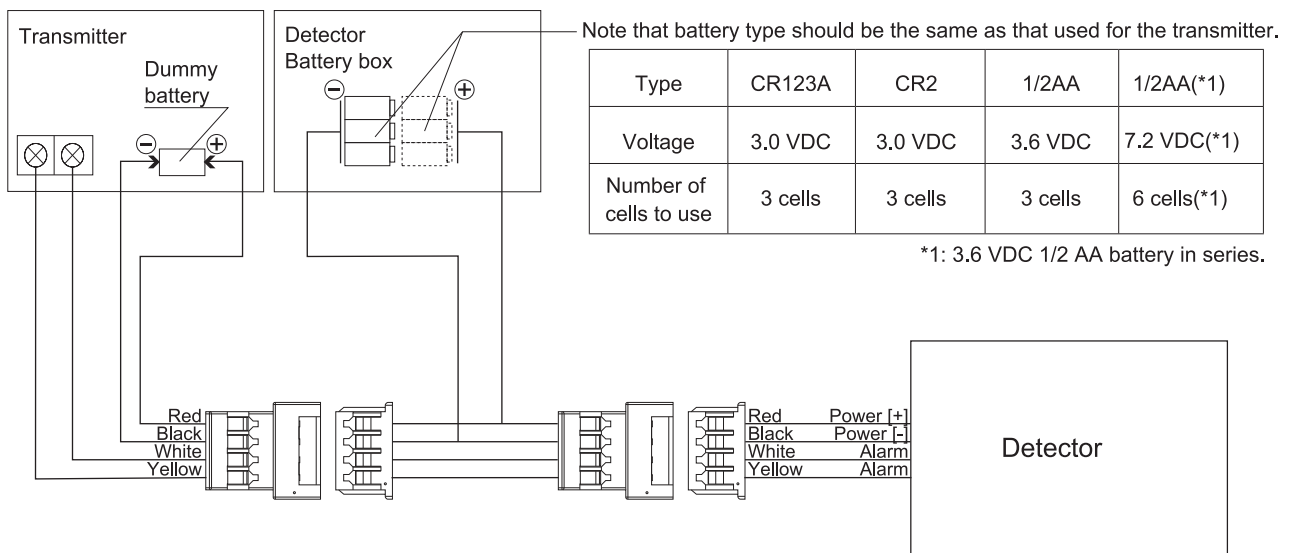
2 Preparations

To use the detector, a wireless transmitter and batteries should be prepared.
First check the following flowchart.

• **Transmitter size**
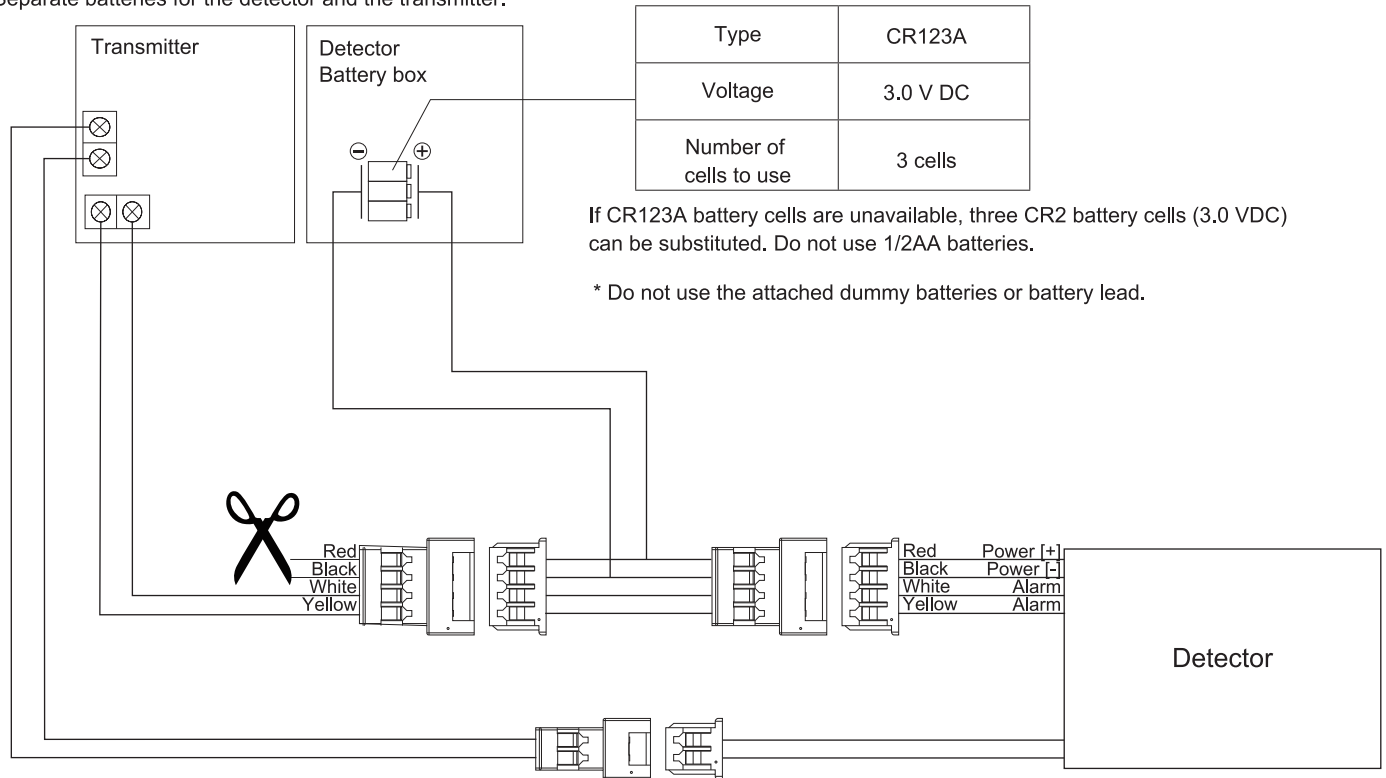
Is it possible to accommodate the transmitter in the space between Base and Main unit ?

No

Change the transmitter.

Yes →

• **Battery type**

Is the battery in the transmitter CR123, CR2, or 1/2AA?

Yes →

No →

• **Battery preparation**

It is possible to share the batteries of a wireless transmitter. Prepare the required batteries which are the same type as used in the transmitter.

It is not possible to share the batteries of a wireless transmitter. Prepare the required batteries for the detector.

• **Reference**

Refer to "Battery Sharing".

Refer to "Non Battery Sharing".

-Battery Sharing

Power supplied is available from battery box to power the detector and the transmitter.

Transmitter

Dummy battery

Detector Battery box

Note that battery type should be the same as that used for the transmitter.

Type	CR123A	CR2	1/2AA	1/2AA(*1)
Voltage	3.0 VDC	3.0 VDC	3.6 VDC	7.2 VDC(*1)
Number of cells to use	3 cells	3 cells	3 cells	6 cells(*1)

*1: 3.6 VDC 1/2 AA battery in series.

Red
Black
White
Yellow

Red   Power [+]
Black   Power [-]
White   Alarm
Yellow   Alarm

Detector

-Non Battery Sharing

Separate batteries for the detector and the transmitter.

Transmitter

Detector
Battery box

Type	CR123A
Voltage	3.0 V DC
Number of cells to use	3 cells

If CR123A battery cells are unavailable, three CR2 battery cells (3.0 VDC) can be substituted. Do not use 1/2AA batteries.

* Do not use the attached dummy batteries or battery lead.

Red
Black
White
Yellow

Red   Power [+]
Black   Power [-]
White   Alarm
Yellow   Alarm

Detector

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③ Mounting

-Battery Sharing

⚠ **Warning**

Do not use batteries of different residual quantities (i.e.: mixing new and used batteries) or of different manufacturers and/or types together. Not observing the above may result in an explosion, leakage of electrolyte, emission of toxic gases or other outcomes that may be harmful to people and property.

1 Remove the battery box cover.
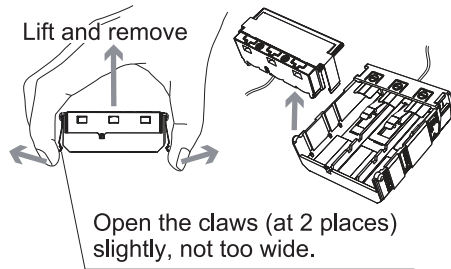
Lift and remove

Open the claws (at 2 places) slightly, not too wide.

2 Mount batteries and place cover into correct position using indicator on side of battery box.

CR123A×3 (3.0 VDC)   CR2×3 (3.0 VDC)   1/2AA×3 (3.6 VDC)   1/2AA×6 (7.2 VDC×3) (*1)
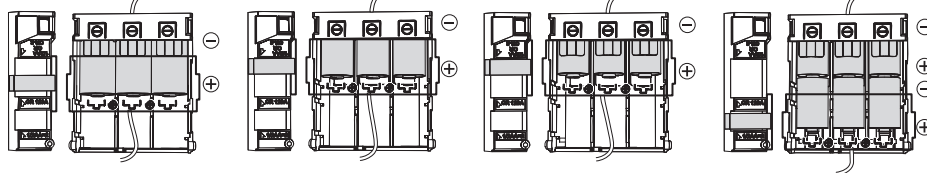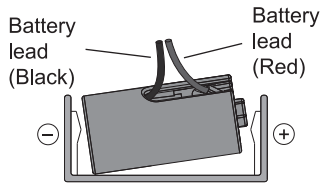
*1: 3.6 VDC 1/2 AA battery in series.

⚠ **Caution**

To avoid short circuit, do not connect ends of red and black wires together.
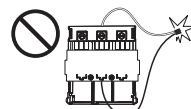
3 Open the transmitter cover and remove the battery.

4 Place the dummy battery in the battery case of the wireless transmitter.

Battery lead (Black)
Battery lead (Red)

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⚠ Caution

Do not pull the wire when taking out the dummy battery from the wireless transmitter.

Note>>
- When the dummy battery assemble, do not connect battery leads to power source.
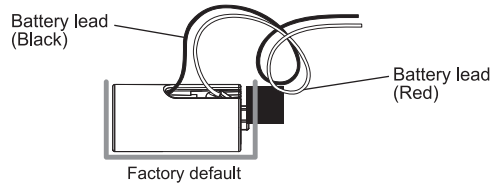- Make sure that the device is not energized when combining units.

* Refer to followings how to set the dummy battery unit adoptiong to each battery size.

5 Connect the alarm cable to the transmitter and close the cover.

Transmitter

Put the alarm wire outside through the wiring hole

Alarm cable
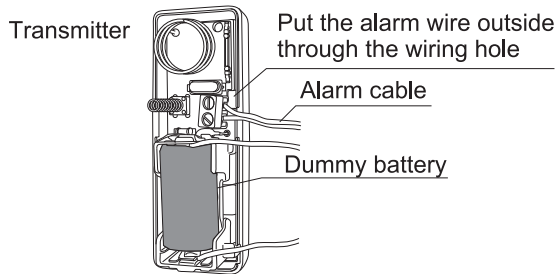
Dummy battery

Dummy Battery unit

CR123A For CR123A, use the unit as the factory default setting.

Battery lead (Black)

Battery lead (Red)

Factory default

Once disassembled, see the steps below to reassemble the unit.

Pass through the black lead into the cutout.

⇨

Pass through the black lead into the cutout.

CR2
1/2AA
1/2AA x 2

Battery lead (Black)
Battery lead (Red)

Push

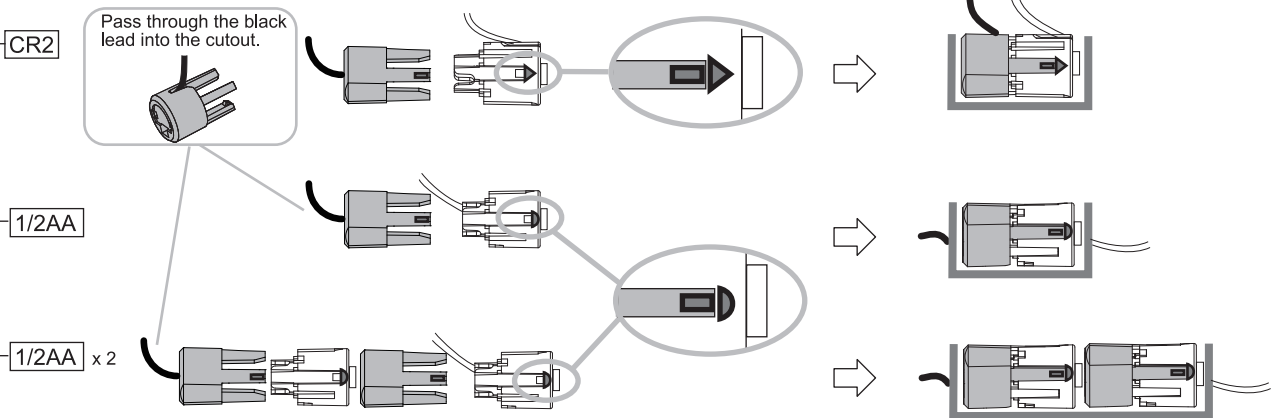Jacket
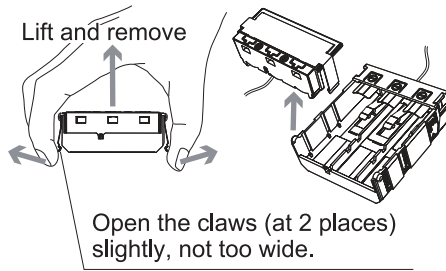*(not used for this type of settings)*
Minus parts
Plus parts
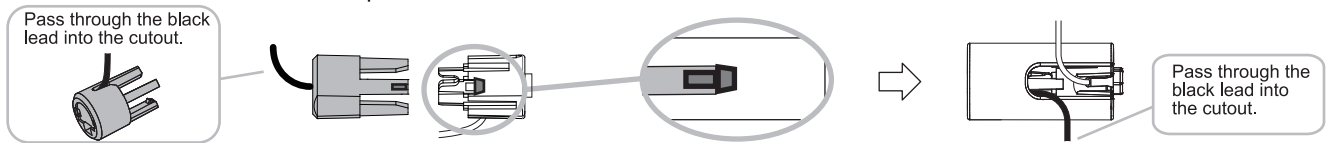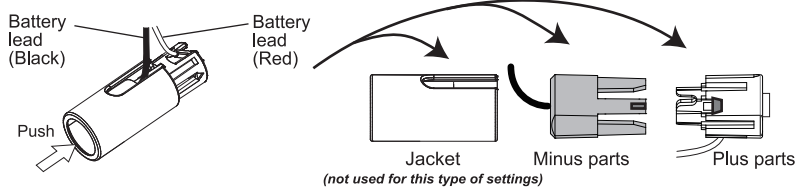
⚠ Warning
- Do not touch the ends of the red and black wires to avoid short-circuit.
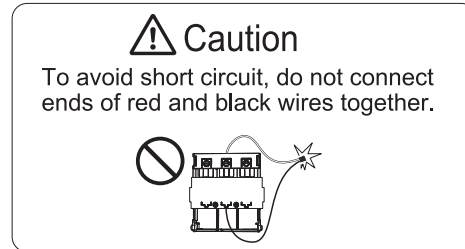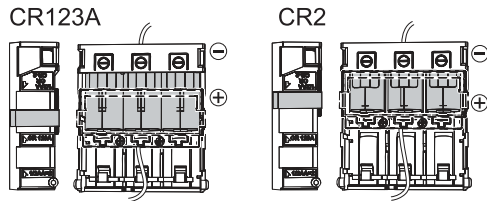- Do not pull the wire when taking out the parts from the jacket.

CR2

Pass through the black lead into the cutout.

⇨

1/2AA

⇨

1/2AA x 2

⇨

-Non Battery Sharing

Arrange 3 cells each of CR-123A (recommended) or CR2.

1 Remove the battery box cover.

Lift and remove

Open the claws (at 2 places) slightly, not too wide.

2 Mount batteries and place cover into correct position using indicator on side of battery box.

CR123A   CR2

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⊕

⊖
⊕

⚠ Caution

To avoid short circuit, do not connect ends of red and black wires together.

🚫

3 Connect the alarm cable to the transmitter and close the cover.

Transmitter

Alarm cable

Put the alarm wire outside through the wiring hole
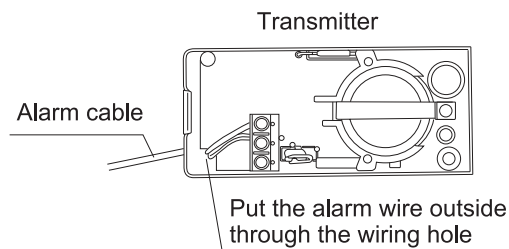
④ Connecting

Joint each connectors to complete installations.
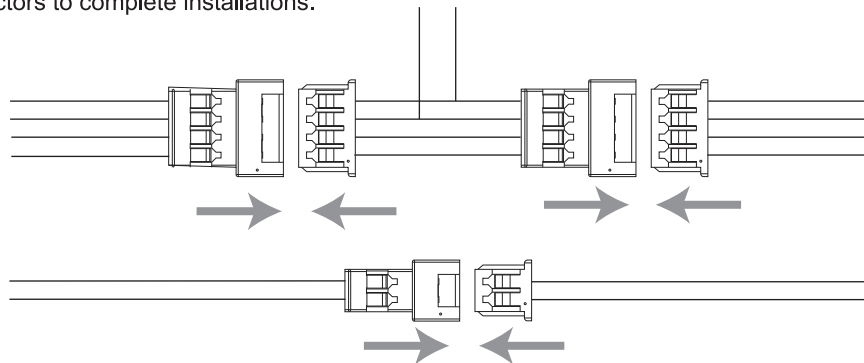
Refer to the installation instructions of each detector for more details.
The installation instructions can be downloaded in; www.optex.net

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