

Specification is subject to change without notice.

В & PLU*J* К.К.

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User's guide	Terminal Bo Tech
	RPI RPI
[Planning the system] The Terminal Box for th an enclosure which cor	he Remote Sensor is Mak nnects the Detectors to the the Remote Sensor and Wiri signals. The Terminal ed for this purpose. Start k safely if the Terminal

Applicable Transmitters and Detectors

Remote Sensor RGPT series	Terminal Box	applicable Detectors
RGPT-3005, RGPT-4008,	RPK-8C01L-N	DC 3-wire/NPN and Mechanical switchs ¹⁾
RGPT-9012	RPK-8C01L-P	DC 3-wire/PNP and Mechanical switchs ²⁾

In the application which mechanical switches are used, connector should be wired with pin no. 3.4
In the application which mechanical switches are used, connector should be wired with pin no. 1.4

◆ Please note that the signal may become unstable (false signal or chattering) when the transmission distance and the center offset are outside the specification range.

• The inzone signal is a preliminary signal for confirming that the output signal is established within the specification range. Please note that it does not guarantee signals output outside the specification range.

Specification

	(Supplied with Terminal Box) 4 pcs.
Blank plug	VA-OT5
Protection class	IP67
Lid material	Aluminum cutting with viton packing
Housing material	Aluminum sandmold casting
Connector function	1=+, 3=-, 4=output
	Mechanical limit switch
Applicable Detector	DC 3-wire switch (NPN or PNP)

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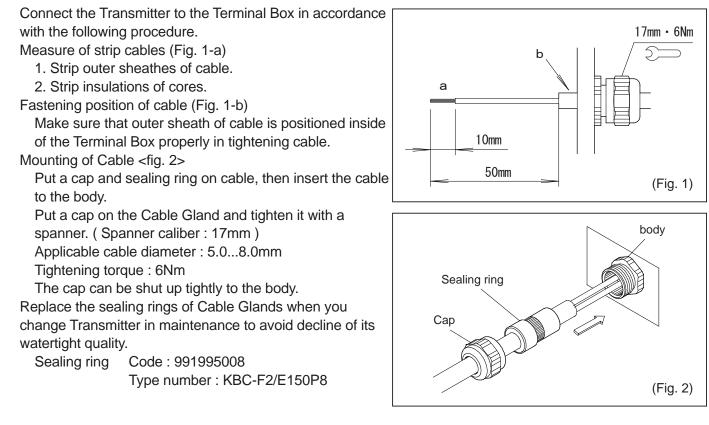
ox for Remote Sensor hnical Manual

K-8C01L-N K-8C01L-P

Safety

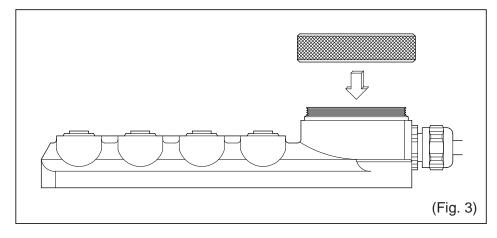
- ion. Handle the Terminal Box properly.)
- landling the Terminal Box]
- ake the correct wiring and connect as referred the wiring diagram of this manual.
- ring errors may cause system failure.
- ake sure that the power is turned off, when art the installation process.
- ever take the device apart or modify.
- spose of the device as an industrial waste.

Connection of the Transmitter to the Terminal Box



Fix the Box and Installing the Lid of the Terminal Box

Fix the Terminal Box with three M5 Allen screws (length : longer than 20mm). Fit the lid on the Terminal Box horizontally and close the lid smoothly or not to damaged thread of the lid. then insert and fasten it tightly. (Fig. 3)



Connection of Angle Connectors

In using angle connectors, use a connector which a projection is positioned indicated in the right figure (Fig. 4).

If you use different type connectors, connectors interfere each other and other connectors cannot connect into the contacts.

Connecting to Terminal block

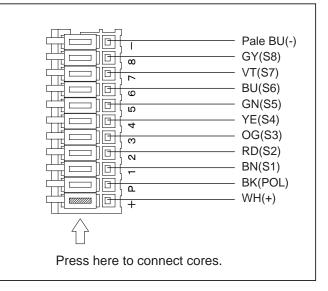
In accordance with the connection diagram, connect the core to each appropriate terminal. <Note>

Press the button with slotted screw driver (width of edge : 2.6mm) and connect the core. Insert core to reach terminal sufficiently.

(If a core was inserted insufficiently, core may come out or cause short with adjoining cable. If a core was inserted exceedingly, the core cannot be connected sufficiently because of terminal catching insulations.)

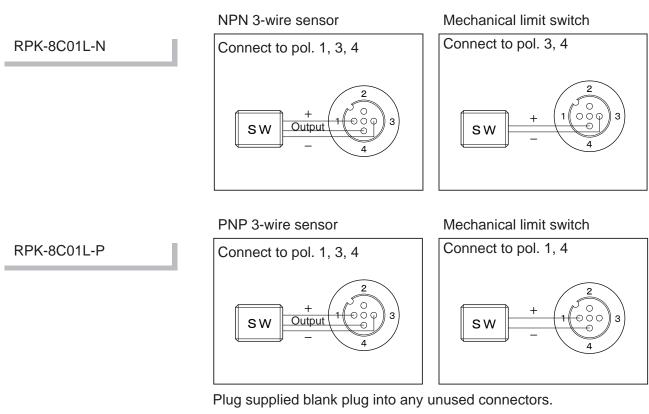
Connection diagram

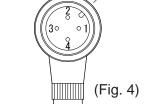
Power Remote Sensor RGPT / 8 signal transmission type



Wiring to Connector

In accordance with the wiring diagram bellow, connect the wire of detectors to connectors.





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