Remote System
User’s Guide

Attention for Installation
(Read this section thoroughly before installation.)

Before using the Remote Sensor, read this manual carefully. During installation, check the safety aspect.

- Ensure the power switch is off during installation or maintenance operations.
- Use a regulated power supply, e.g. switch-mode type. Simple power supplies, such as a full-wave rectification type, will cause the permissible ripple rating to be exceeded and may cause malfunction.
- Ensure correct connections by reference to the wiring diagram.
- To avoid malfunction caused by induction noise, cable should be kept apart from motor or other power cable.

Transmission head / Output head specification

Transmission head

- RSH8E-030P-PU-
- RSH8E-TF030P-PU-
- RSH8T-030-PU-
- RSH8T-TF030-PU-

Output head

- 8 signals transmission
- Switch signal Terminal unit version

[Function of each component]

Detector SW: Detected signals is transmitted to Remote terminal.
Remote terminal: DC2W/Mechanical switch or DC3W switch is connected and detected signals is transmitted to Transmission head.
Transmission head: Provides power for Detector SW, also passes detected signals from Detector to Output head.
Output head: Pulls out detected signal to external controller, also sends power for operating of Detector and Transmission.

Anti-weld slag type

- Fluorinated resin cap & Fluorine resin coated housing to protect against weld slag

RSH8T-222D-S04/RS8T-222P-S04
DC 2-wire detector switch

Type code (see connector type)

Type code

RS8TA-222D-S04/RS16T
RS8T-222P-S04

Applicable angle connector type

[Detectors’ connector]

When using an angle connector, please use a connector of which key is positioned same as the following figure.

Applicable Transmission head

[Remote terminal] [Transmission head] [Output head] [PC]

Applicable Transmission head

Type code

RS8T-030-CP-
RS8T-030-PU-
RS8T-030N-PU-

Applicable Detector SW

Type code

DC 5-wire
DC 3-wire

Driving Voltage

24 V DC ± 10 %

Driving Current

5 mA (1 signal)

Max. 8 signals

Material

PPS

Ambient temperature

0...+85 °C

Protection class

IP67

Remote Terminal

Remote Terminal: RS8TA-222D-S04 / RS8TA-222P-S04

Connect to

Transmission head

Type code

DC 2-wire detector switch
DC 3-wire detector switch

Applicable Transmission head

[Remote terminal] [Transmission head] [Output head] [PC]

Applicable Transmission head

Type code

RS8T-030-CP-
RS8T-030-PU-
RS8T-030N-PU-

Applicable Detector SW

Type code

DC 5-wire
DC 3-wire

Driving Voltage

24 V DC ± 10 %

Driving Current

5 mA (1 signal)

Max. 8 signals

Material

PPS

Ambient temperature

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Protection class

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The unused connector should be protected in an exclusive protection cap (option).