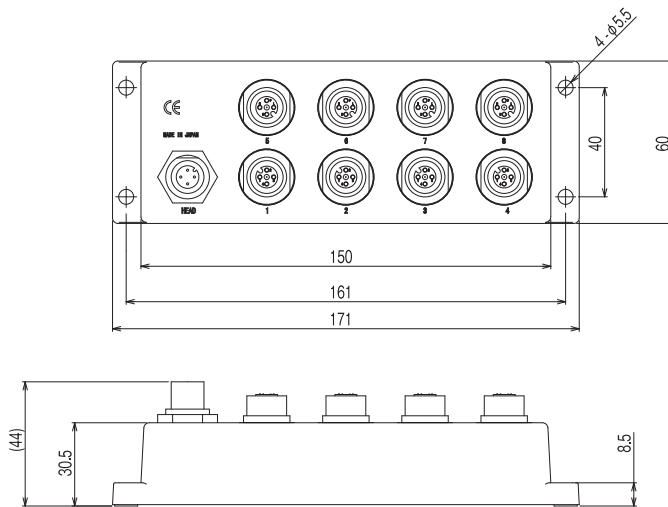


for max. 8 sensors Terminal unit type / Remote Terminal



A069

This dimensional drawing shows connector type 1.

Wiring C025 / P.124

Transmitter / Remote terminal	
Type Connector type 1	<b>RS8TA-222D-S04</b>
Code Connector type 2	<b>RS8T-222D-S04</b>
Sensor type	DC 2-wire type (M12 connector 4-pin : polarized / 1:+,4:-, non-polarized / 3:+,4:-)
Drive voltage	22V DC $\pm$ 10%
Drive current	5 mA per sensor
Operating temperature	0...+50°C
Protection class	IP67
Connection sensor	Connector M12 (Female) x 8
Transmitting head	Connector M12 (Male) x 1
Material Housing	PPS
Weight	600 g
Remark	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)

### Applicable sensor

Supply voltage	22V DC
Residual voltage	$\leq$ 6V
Minimum load current	$\leq$ 5mA
Leakage current	$\leq$ 1mA

Please sure to use applicable detector switch according to the specification on left.

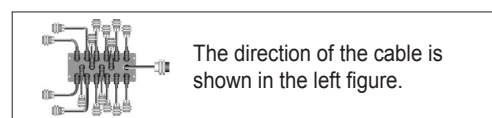
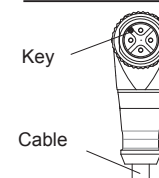
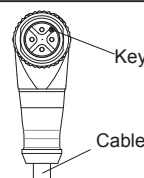
Pin assigned of connector for sensors		1 : + 2 : 3 : + 4 : -
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### Applicable angle connector type (Detector's connector)

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

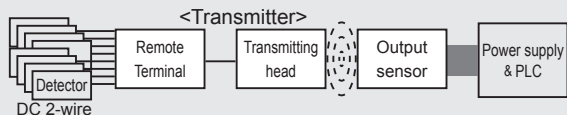
1 : Applicable to RS8TA-222

2 : Applicable to RS8T-222



The direction of the cable is shown in the left figure.

The straight connector can be used to both type of Remote Terminal.



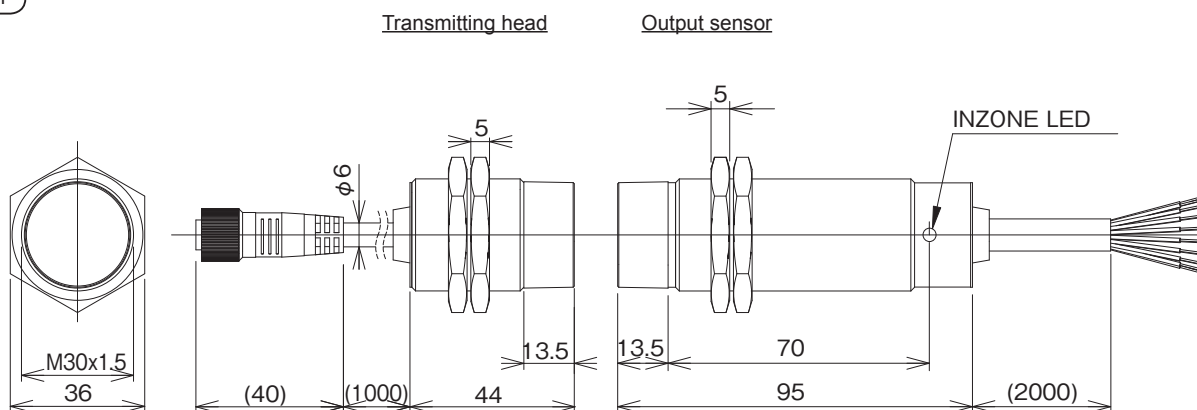
RS8TA-222  
RS8T-222

RSH8T-30  
RSH8E-30

8  
signals

for max. 8 sensors Terminal unit type / Size : M30

Operating distance  
2...8mm

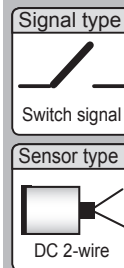


A057

Wiring C025 / P.124

Transmitter / Transmitting head	
Type Code	connect to Remote Terminal <b>RSH8T-030-PU-CP1.0</b>
Drive voltage	22V ± 1.5V DC
Drive current	120mA
Remote terminal	RS8TA-222_-S04, RS8T-222_-S04
Operating distance	2...8mm
Center offset	±3mm
Operating temperature	0...+50°C
Protection class	IP67
Cable	M12 connector Cable (1m, 3m, 5m) connect to Remote Terminal
Material Housing	Nickel plated brass
Material Active face	Nylon 12
Weight	Body 120 g + Cable 50 g × 1 m
Anti-weld slag Type Code	connect to Remote Terminal <b>RSH8T-TF030-PU-CP1.0</b>
Material	Housing: Fluorinated resin coated / Active face: Fluorinated resin

Output sensor	
Type Code	NPN <b>RSH8E-030N-PU-02</b> PNP <b>RSH8E-030P-PU-02</b>
Supply voltage	24V DC ±10% (including ripple)
Current consumption	≤ 500mA
No. of Output signals	8 signals + 1 signal (Inzone)
Load current	max. 50mA per output
Frequency of operation	20Hz
LED	Inzone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR/ φ 7.7, 2x0.5mm <sup>2</sup> +9x0.18mm <sup>2</sup>
Material Housing	Nickel plated brass
Material Active face	Nylon 12
Weight	Body 160 g + Cable 75 g × 2 m
Anti-weld slag Type Code	NPN <b>RSH8E-TF030N-PU-02</b> PNP <b>RSH8E-TF030P-PU-02</b>
Material	Housing: Fluorinated resin coated / Active face: Fluorinated resin



Remote  
Sensor

DC 3-wire  
Detector type

DC 3-wire  
Terminal unit

DC 2-wire  
Detector type

DC 2-wire  
Terminal unit

Exclusive  
detector type

Thermocouple  
type

Resistance  
thermometer type

Load cell type

Analog sensor  
type

Exclusive sensor

Terminal box  
Other unit

Wiring

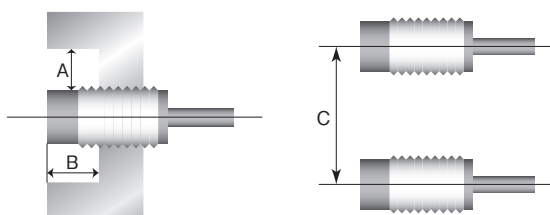
Discontinued  
plans

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### Installation notes

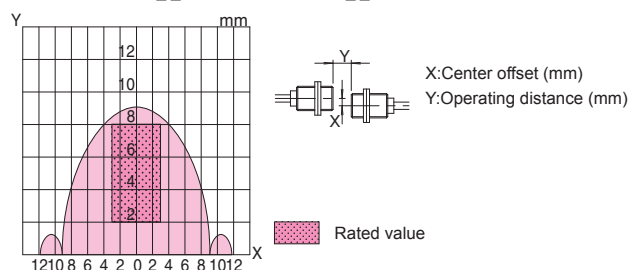
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

- Surrounding metal
- Parallel installation



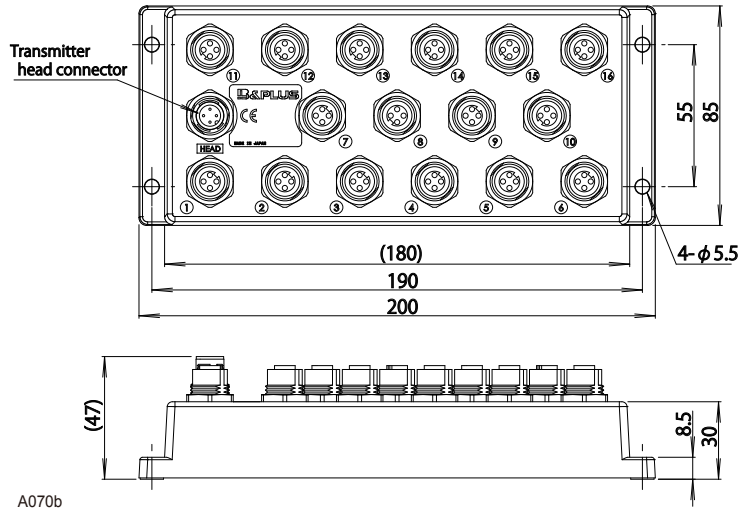
### Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount)

RSH8T-030-PU-CP-\_\_ / RSH8E-030 □ -PU-\_\_



Type Code	A(mm)	B(mm)	C(mm)
RSH8T-030-PU-CP-__	30	30	160
RSH8E-030 □ -PU-__			

for max. 16 sensors Terminal unit type / Remote Terminal



This dimensional drawing shows connector type 1.

Wiring C026 / P.124

Transmitter / Remote terminal	
Type Connector type 1	<b>RS16TA-211D-S04</b>
Code Connector type 2	<b>RS16T-211D-S04</b>
Sensor type	DC 2-wire type (M12 connector 4-pin : polarized / 1:+,4:-, non-polarized / 3:+,4:-)
Drive voltage	22V DC $\pm$ 10%
Drive current	5 mA per sensor
Operating temperature	0...+50°C
Protection class	IP67
Connection sensor	Connector M12 (Female) x 16
Transmitting head	Connector M12 (Male) x 1
Material Housing	PPS(GF40%)
Weight	1000 g
Remark	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)

### Applicable sensor

Supply voltage	22V DC
Residual voltage	$\leq$ 6V
Minimum load current	$\leq$ 5mA
Leakage current	$\leq$ 1mA

Please sure to use applicable detector switch according to the specification on left.

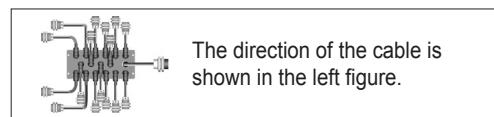
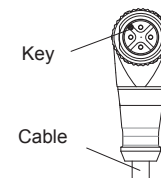
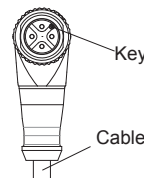
Pin assigned of connector for sensors		<p>1 : +</p> <p>2 : -</p> <p>3 : +</p> <p>4 : -</p>
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### Applicable angle connector type (Detector's connector)

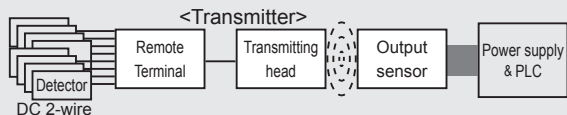
When using an angle connector, please use a connector of which key is positioned same as the following figure.

1 :Applicable to RS16TA-211\_

2 :Applicable to RS16T-211\_



The straight connector can be used to both type of Remote Terminal.



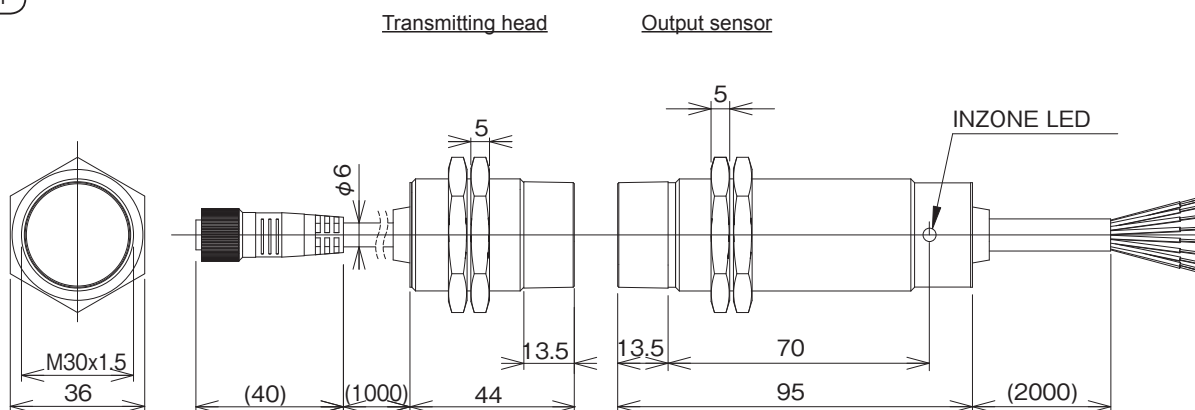
RS16TA-211  
RS16T-211

RSH16T-30  
RSH16E-30

**16**  
signals

for max. 16 sensors Terminal unit type / Size : M30

Operating distance  
2...8mm

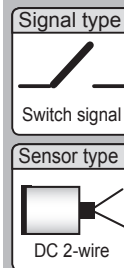


A057

Wiring C026 / P.124

Transmitter / Transmitting head	
Type Code	connect to Remote Terminal <b>RSH16T-030-PU-CP1.0</b>
Drive voltage	22V ± 1.5V DC
Drive current	120mA
Remote terminal	RS16TA-211_-S04、RS16T-211_-S04
Operating distance	2...8mm
Center offset	±3mm
Operating temperature	0...+50°C
Protection class	IP67
Cable	M12 connector Cable (1m, 3m, 5m) connect to Remote Terminal type
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 120 g + Cable 50 g × 1 m
Anti-weld slag Type Code	connect to Remote Terminal <b>RSH16T-TF030-PU-CP1.0</b>
Material	Housing: Fluorinated resin coated / Active face: Fluorinated resin

Output sensor	
Type Code	NPN <b>RSH16E-030N-PU-02</b> PNP <b>RSH16E-030P-PU-02</b>
Supply voltage	24V DC ±10% (including ripple)
Current consumption	≤ 500mA
No. of Output signals	16 signals + 1 signal ( Inzone )
Load current	max. 50mA per output
Frequency of operation	20Hz
LED	Inzone
Operating temperature	0...+50°C
Protection class	IP67
Cable	PUR/ φ 8.5、2x0.5mm <sup>2</sup> +17x0.18mm <sup>2</sup>
Material Housing	Nickel plated brass
Active face	Nylon 12
Weight	Body 160 g + Cable 110 g × 2 m
Anti-weld slag Type Code	NPN <b>RSH16E-TF030N-PU-02</b> PNP <b>RSH16E-TF030P-PU-02</b>
Material	Housing: Fluorinated resin coated / Active face: Fluorinated resin



Remote Sensor

DC 3-wire  
Detector type

DC 3-wire  
Terminal unit

DC 2-wire  
Detector type

DC 2-wire  
Terminal unit

Exclusive  
detector type

Thermocouple  
type

Resistance  
thermometer type

Load cell type

Analog sensor  
type

Exclusive sensor

Terminal box  
Other unit

Wiring

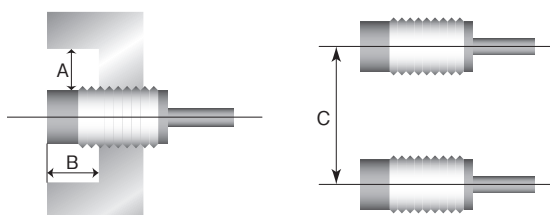
Discontinued  
plans

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### Installation notes

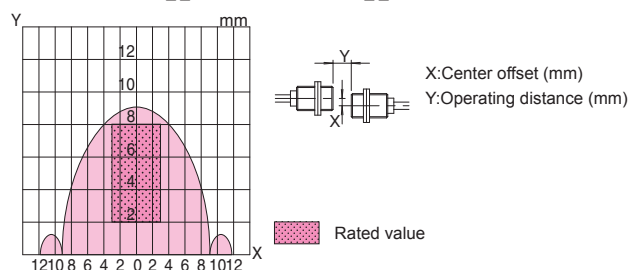
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

- Surrounding metal
- Parallel installation



### Typical Transmitting Diagram (Supply voltage at 24V / non-flush mount)

RSH16T-030-PU-CP-\_\_ / RSH16E-030 □ -PU-\_\_



Type Code	A(mm)	B(mm)	C(mm)
RSH16T-030-PU-CP-__	30	30	160
RSH16E-030 □ -PU-__			