

Remote sensor supplies power to up to 16 DC 2-wire sensors and transmits their signals simultaneously

Switch signal transmission for DC 2-wire sensor



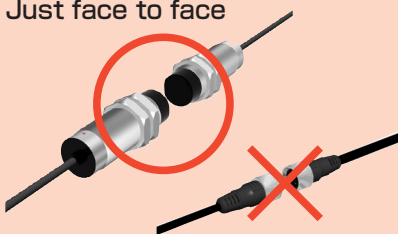
[Applicable sensor]

- DC 2-wire proximity switch
- Mechanical switch

Power Supply and Signal Transmission Inductively

Connection-work-free

Just face to face



No need to attach connectors to connect sensors on the jig or pallet.

Cable-breakage is resolved

No tangled cable



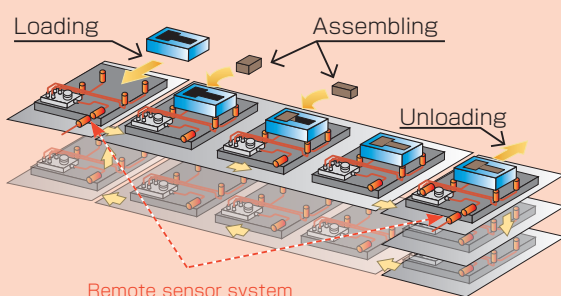
Cable-breakage does not occur because there is no moved part of the wiring cable.

16 sensors are connectable to 1 pair of Remote sensor



The number of the transmission signals is 1, 2, 4, 8, 15 and 16. The connector terminal unit is available for 8 and 16 signal type.

Application in assemble line

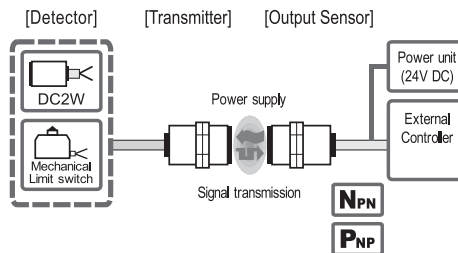


The sensors and transmitter are mounted on a pallet and the output sensor is mounted at the start and end point of the assemble line. The detected signals are transmitted from the transmitter to the output sensor at both points and are output to the controller.

Advantage

- Connector-less and work saving
- Pallet is utilized effectively
- Stay time of the process disappeared

Remote sensor for DC-2 wire sensor

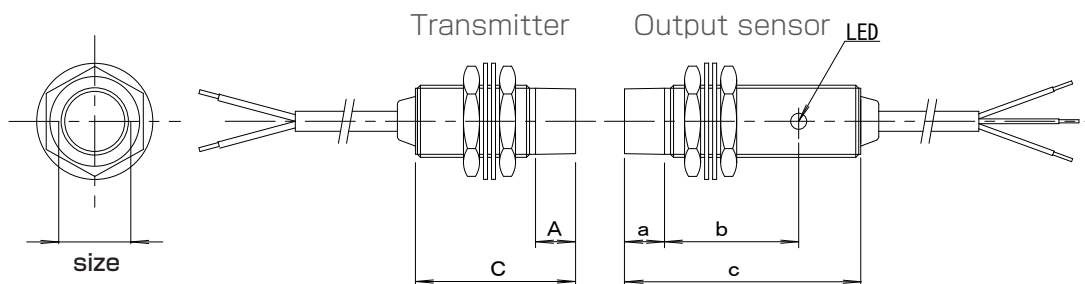


Number of signal max.	Size	Operating distance	Type code		Drive voltage/current (Power supply for sensor*)
			Transmitter	Output sensor	
1	M12	2mm	RPT-1202D-PU-__	RPE-1202 □ -PU-__	12V ± 1.5V DC 5mA / sensor
	M18	4mm	RPT-1804D-PU-__	RPE-1804 □ -PU-__	
	M30	8mm	RPT-3008D-PU-__	RPE-3008 □ -PU-__	
2	M18	4mm	RPT2-1804D-PU-__	RPE2-1804 □ -PU-__	
	M30	5mm	RPT2-3005D-PU-__	RPE2-3005 □ -PU-__	
4	M18	3mm	RPT4-1803D-PU-__	RPE4-1803 □ -PU-__	
	M30	5mm	RPT4-3005D-PU-__	RPE4-3005 □ -PU-__	
8	M18	3mm	RPT8-1803D-PU-__	RPE8-1800 □ -PU-__	22V +4/-2V DC 5mA / sensor
	M30	7mm	RPT8-3007D-PU-__	RPE8-3000 □ -PU-__	
15	M30	5mm	RPT15-3005D-PU-__	RPE15-3000 □ -PU-__	12V ± 1.5V DC 5mA / sensor

□ : P or N (P=PNP / N=NPN)

*Please use the detector sensor working by the drive voltage and current in above table.

Dimension



Size	Transmitter	A	C	Output sensor	(mm)		
					a	b	c
M12 x 1	RPT-1202D-PU-__	5	30	RPE-1202 □ -PU-__	5	38	61.5
M18 x 1	RPT-1804D-PU-__	10	40	RPE-1804 □ -PU-__	10	33.5	59
M30 x 1.5	RPT-3008D-PU-__	13.5	49	RPE-3008 □ -PU-__	13.5	35	64
M18 x 1	RPT2-1804D-PU-__	10	40	RPE2-1804 □ -PU-__	10	33.5	59
M30 x 1.5	RPT2-3005D-PU-__	13.5	48	RPE2-3005 □ -PU-__	13.5	35	64
M18 x 1	RPT4-1803D-PU-__	10	61	RPE4-1803 □ -PU-__	10	77.5	94
M30 x 1.5	RPT4-3005D-PU-__	13.5	64	RPE4-3005 □ -PU-__	13.5	83.5	95
M18 x 1	RPT8-1803D-PU-__	10	61	RPE8-1800 □ -PU-__	10	77.5	94
M30 x 1.5	RPT8-3007D-PU-__	13.5	74	RPE8-3000 □ -PU-__	13.5	83.5	95
M30 x 1.5	RPT15-3005D-PU-__	13.5	74	RPE15-3000 □ -PU-__	13.5	83.5	95

Wireless Power Supply by

B & PLUS K.K.

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* Contents is subject to change without notice.