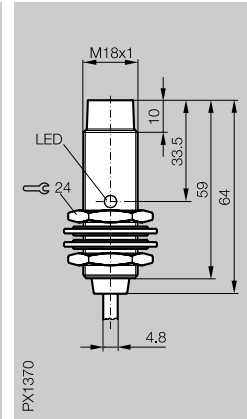
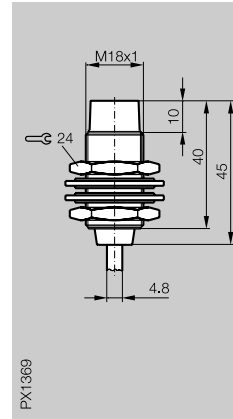
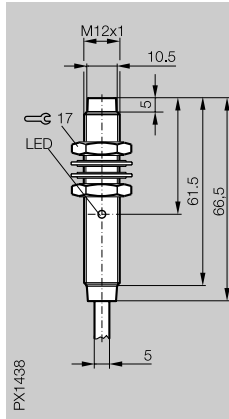
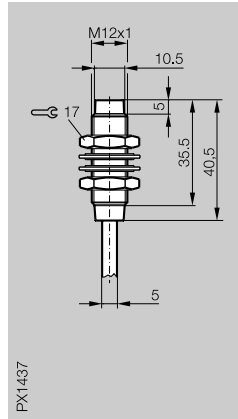


	Transmitter ←.....→ Output Sensor		Transmitter ←.....→ Output Sensor	
Number of Signals	1 Signal		1 Signal	
Housing Size	M12 X 1		M18 X 1	M18 X 1
Mounting	flush/non flush		flush/non flush	flush/non flush
Rated Sn / Gap Distance	2mm		5mm	
Assured Sn / Gap Distance	0...1.6mm		0...4.0mm	



### Transmitter

Exclusive Proximity Sensors	BES-RXT-1202-J-01		BES-RXT-1805-J-01	
Exclusive Proximity AND Signal	N/A		BES-RAT-1805	
Mechanical Limit Switch	BES-RST-1202-J-01		BES-RST-1805	

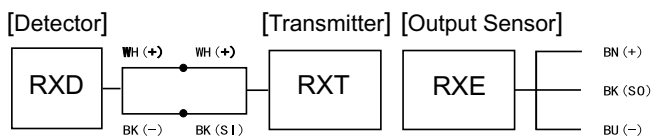
### Output Sensor

PNP Output		BES-RXE-1202-P-02		BES-RXE-1805-P-02
NPN Output		BES-RXE-1202-N-02		BES-RXE-1805-N-02

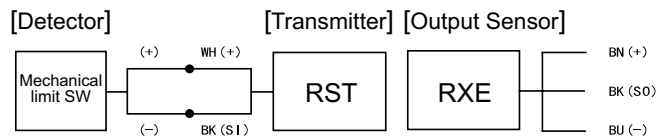
Sensing Distance	0..2.0mm non-Flush / 0..1.6mm flush		0..5.0mm non-Flush / 0..4.0 flush	
Rated operational voltage			24V DC ± 5%	24V DC ± 5%
Short circuit protection			yes	yes
Current Consumption			≤ 25mA	≤ 25mA
Load Capacity			max. 100mA	max. 100mA
Operation Frequency			25 Hz	25 Hz
Ambient temperature range	0..+50 C	0..+50 C	0..+50 C	0..+50 C
Function indication	no	yes	no	yes
Environmental protection (per IEC529)	IP67		IP67	
Housing material	Nickel Plated Brass		Nickel Plated Brass	Nickel Plated Brass
Sensing face material	ABS + PBT		ABS + PBT	ABS + PBT
Cable Material	PVC		PVC	PVC
Cable Length / Diameter / AWG	1M, 5mm, 2X20AWG	2M, 5mm, 3X20AWG	1M, 5mm, 2X20AWG	2M, 5mm, 3X20AWG

### Basic Remote Sensor System Wiring Schematics • RX • RA • RS series

#### Exclusive Proximity Sensors



#### Mechanical Limit Switch

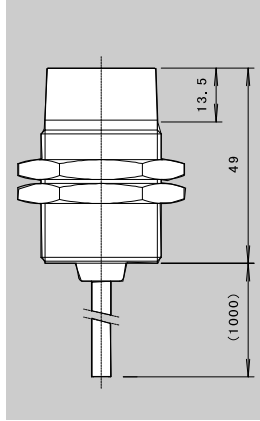
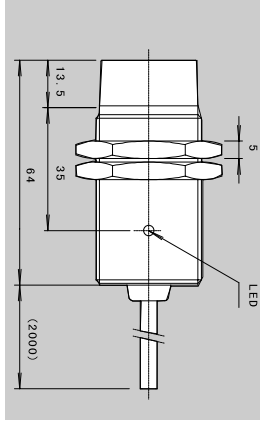


#### Exclusive Proximity AND Signal



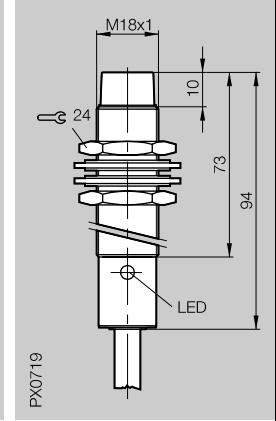
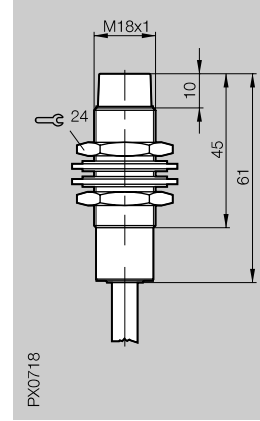
### Transmitter ←.....→ Output Sensor

<b>1 Signal</b>	
<b>M30 X 1</b>	<b>M30 X 1</b>
flush/non flush	flush/non flush
<b>10mm</b>	
0...8.0mm	



### Transmitter ←.....→ Output Sensor

<b>8 Signals</b>	
<b>M18 X 1</b>	<b>M18 X 1</b>
flush/non flush	flush/non flush
<b>5mm</b>	
1.0...4.0mm	



BES-RXT-3010-J-01	
BES-RAT-3010-J-01	
BES-RST-3010-J-01	

BES-RFTA-1805-S-01	
--------------------	--

--	--

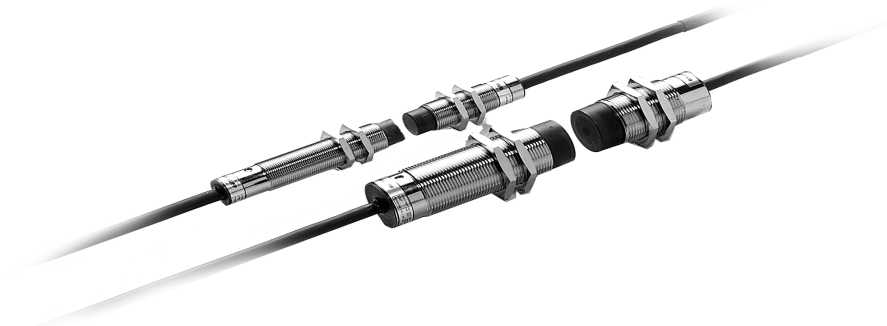
BES-RXE-3010-P-02	
BES-RXE-3010-N-02	

--	--

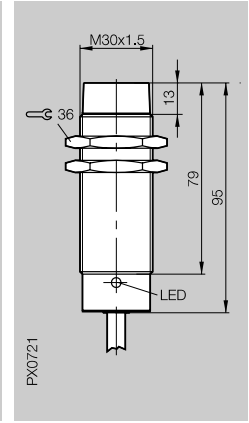
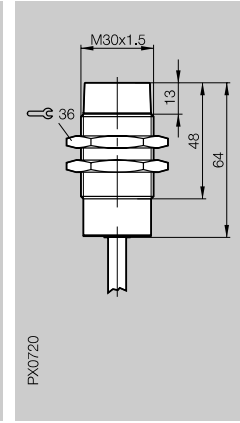
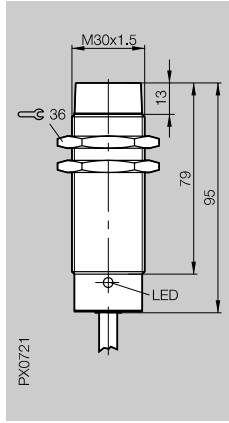
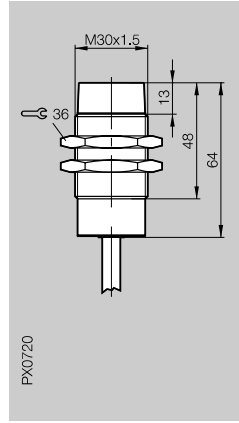
BES-RFEA-1805-PS-02	
BES-RFEA-1805-NS-02	

0..10mm non-Flush / 0..10mm flush	0..10mm non-Flush / 0..10mm flush
24V DC ± 5%	24V DC ± 5%
yes	yes
≤ 25mA	≤ 25mA
max. 100mA	max. 100mA
25 Hz	25 Hz
0..+50 C	0..+50 C
no	yes
IP67	IP67
Nickel Plated Brass	Nickel Plated Brass
ABS + PBT	ABS + PBT
PVC	PVC
1M, 5mm, 2X20AWG	2M, 5mm, 3XAWG

0..5.0mm non-Flush / 0..4.0 non flush	0..5.0mm non-Flush / 0..4.0 non flush
24V DC ± 5%	24V DC ± 5%
yes	yes
≤ 40mA	≤ 40mA
max. 50mA per Output	max. 50mA per Output
3.2 Hz	3.2 Hz
0..+50 C	0..+50 C
no	yes
IP67	IP67
Nickel Plated Brass	Nickel Plated Brass
ABS + PBT	ABS + PBT
PVC	PVC
1M, 7mm, 12X26AWG	2M, 7mm, 12X26AWG



	Transmitter ←.....→ Output Sensor		Transmitter ←.....→ Output Sensor	
Number of Signals	8 Signals		8 Signals	
Housing Size	M30 X 1		M30 X 1	
Mounting	flush/non flush		Non flush	
Rated Sn / Gap Distance	2.0...10.0mm		2.0...18.0mm	
Assured Sn / Gap Distance	2.0...8.0mm		2.0...16.0mm	



### Transmitter

	BES-RFTA-3010-S-03		BES-RFTA-3018-01
--	--------------------	--	------------------

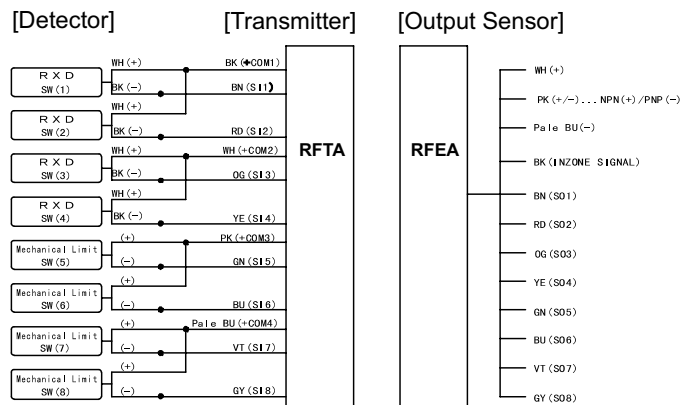
### Output Sensor

<b>PNP Output</b>		BES-RFEA-3010-PS-02		BES-RFEA-3018-P-02
<b>NPN Output</b>		BES-RFEA-3010-NS-02		BES-RFEA-3018-N-02

Sensing Distance	2.0...10.0mm Flush / 2.0...8.0mm Non-Flush		2.0...18.0mm Non-Flush	
Rated operational voltage	24V DC ± 5%		24V DC ± 5%	
Short circuit protection	yes		yes	
Current Consumption	≤ 40mA		≤ 40mA	
Load Capacity	max. 50mA per Output		max. 50mA per Output	
Operation Frequency	3.2 Hz		3.2 Hz	
Ambient temperature range	0..+50 C		0..+50 C	
Function indication	no		yes	
Environmental protection (per IEC529)	IP67		IP67	
Housing material	Nickel Plated Brass		Nickel Plated Brass	
Sensing face material	ABS + PBT		ABS + PBT	
Cable Material	PVC		PVC	
Cable Length / Diameter / AWG	3M, 7mm, 12X26AWG		1M, 7mm, 12X26AWG	

\*These Remotes systems work with mechanical switches also. You can mix and match inductive detectors and mechanical switches.

### Basic Remote Sensor System Wiring Schematics • RF/A series



■ Terminal box for connecting detectors and transmitters are available as an option. (See Pages 24-25)



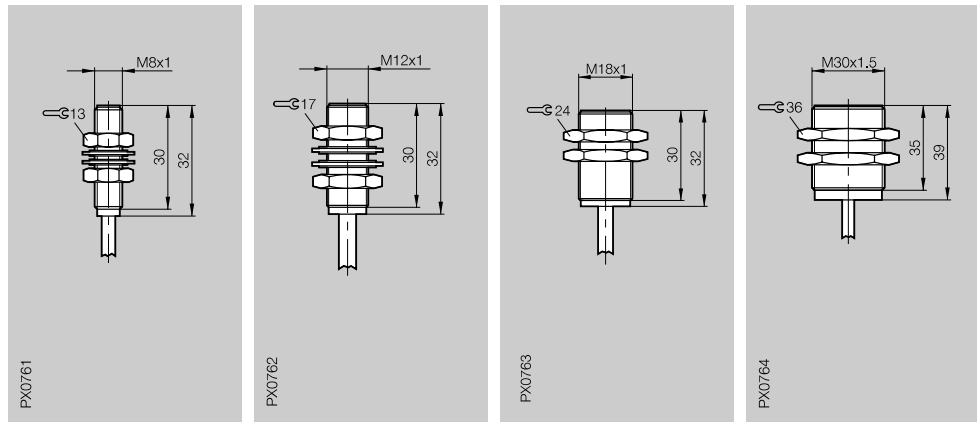
# Passive Remote Detector Sensors

## Remote Systems

Passive Detectors RXD  
M8 - M30  
Sn 1.5 - 10mm

Housing Size	<b>M8 X 1</b>	<b>M12 X 1</b>	<b>M18 X 1</b>	<b>M30 X 1</b>
Mounting	Flush	Flush	Flush	Flush
Rated Sn	<b>1.5mm</b>	<b>2mm</b>	<b>5mm</b>	<b>10mm</b>
Assured Sn	0...1.2mm	0...1.6mm	0...4.0mm	0...8.0mm

RXD Detector Sensors can only be used with the passive remote systems



Part Number	BES-RXD-0801-J-01	BES-RXD-1202-J-01	BES-RXD-1805-J-01	BES-RXD-3010-J-01* BES-RXD-3010M-J-01**
Transmitter Type	RXT, RAT	RXT, RAT	RXT, RAT	RXT*, RAT* / RFTA**
Ambient temperature range	0...+50 C	0...+50 C	0...+50 C	0...+50 C
Operating frequency (max.)	25 Hz	25 Hz	25 Hz	25 Hz
Function indication	No	No	No	No
Environmental protection (per IEC529)	IP67	IP67	IP67	IP67
Housing material	Stainless Steel	Nickel Plated Brass	Nickel Plated Brass	Nickel Plated Brass
Sensing face material	ABS + PBT	ABS + PBT	ABS + PBT	ABS + PBT
Wire Diameter	4mm	5mm	5mm	5mm
No. of wires & gauge	2 X 0.14mm <sup>2</sup>	2 X 0.5mm <sup>2</sup>	2 X 0.5mm <sup>2</sup>	2 X 0.5mm <sup>2</sup>
Cable Material	PVC	PVC	PVC	PVC

Can only connect to  
RXT, RAT transmitters  
(See pages 8-9)

Can only connect to  
RFTA series transmitters  
(See page 10)

The RXD remote detectors  
work with the RXT, RAT,  
RFTA Transmitters

