

**P18 Tough Stock 18mm Metal Housing
16m Range Receiver**

Programmable



**PS/P18 (16m) range 18mm housing
Receiver**

Infrared emission

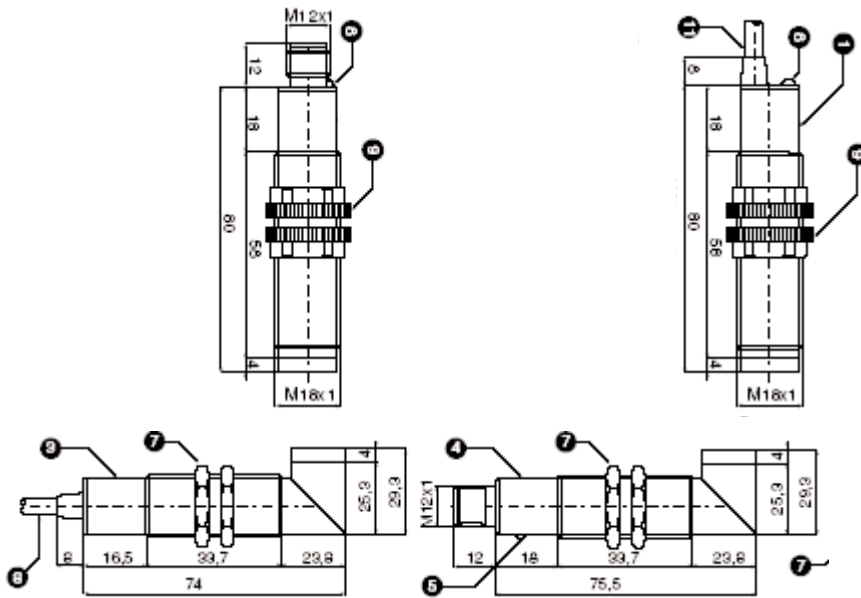
Great for use general harsh duty applications

4 wire 10-30VDC

**LED's for set up & diagnostics
Programmable output PNP NPN NO NC**

M12 Cable connector available

**Tough Stock series
IP67 protection degree metal housing**



- 1. - standard cable exit M1
- 8. -red LED indicator
- 9. - nut/hexagon nut
- 11. -cable 4(2)X0.34mm,4.7mm diameter, PVC, 2m

- 3. - standard cable exit M1
- 4. - M12 connector K1
- 5. - red LED
- 7. - heagon nut
- 9. - cable 4(2)X0.34mm,4.7mm diameter, PVC, 2m

Parts Matrix

photo electric sensor series	P	P
receiver	RE	RE
16m max range	16M	16M
18mm diameter	9	9
NBT metal housing	B	B
programmable	D	D
straight optics (axial)	T	
90 degree optics (radial)		R
2m standard integrated cable	M1	M1
M12 straight 4 Pin connector	K1	K1

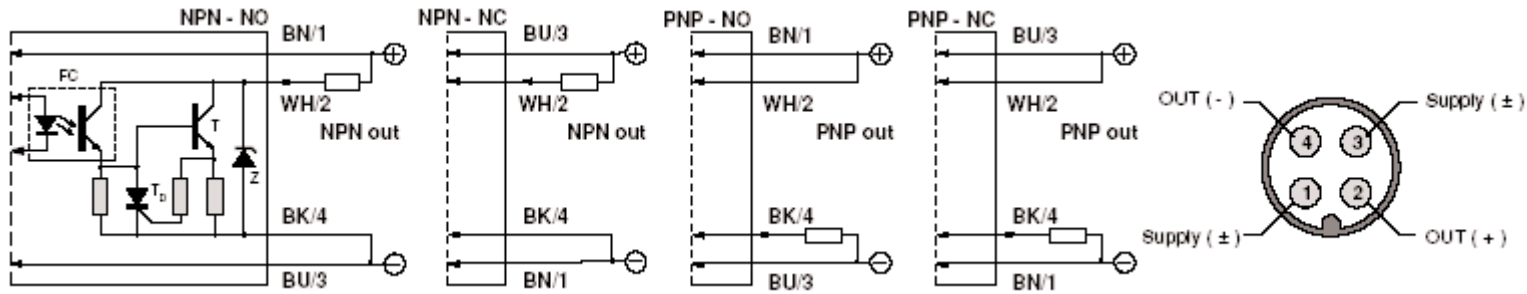
PARTS INDEX

- PRE0169BDTM1
- PRE0169BDTK1
- PRE0169BDRM1
- PRE0169BDRK1

SPECIFICATIONS

- STRAIGHT M1
- STRAIGHT K1
- 90 DEGREE M1
- 90 DEGREE K1

Programmable Wiring Diagram & Connector Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	16m
Emission	infrared 880nm
Repeat accuracy	5%
Min detection object	7.5mm diameter
Differential Travel	<10%
Operating Voltage U_b	10-30VDC
Ripple U_{pp}	<10%
No-load Supply	25mA
Load Current Max	100mA
Time Delay Before Available	200ms
Weight	250g
Voltage Drop U_d	1.2V max.(100mA)
Output Type	PNP/NPN NO/NC
Response Time	>2mS
Switching Frequency	30Hz
Tightening Torque	40Nm
Supply Electrical Protections	polarity reversal, transient
Output Electrical Protections	short circuit protection (autoreset)
Ambient Temperature T_a	-25--+60C
Tempearture Drift	+/- 5% SR
Protection Degree (DIN 40 050)	IEC IP67
LED Indicators	Red
Housing Material	NBT
Lenses Material	plexiglass 7N