

Sensing Specifications

Flush Mountable	No
Nominal Sensing Distance (Sn)	20mm
Repeat Error (% of Sn)	<2%
Hysteresis (% of SN)	2-20% (5% is typical)



Mechanical Specifications

Dimensions	34X52mm (see drawings)
DC Cable Versions	2 meter length, 3 wire, #22 AWG, .25"OD, PVC, UL2464
AC Cable Versions	2 meter length, 2 wire, #22 AWG, .25"OD, PVC, UL2464
DC connector Versions	M12 4-pin MICRO
AC connector Versions	1/2-20UNF 3-pin MICRO
Enclosure Rating	IP67, NEMA 1,3,4,6,13
Operating Temperature Range	-25° to 70°C (-13 to 158°F)
Signal Indicator	Yellow LED
Power-on Indicator	Green LED
Sensitivity Adjustment	Potentiometer
Sensor Face Material	Plastic (Valox DR-48)
Barrel Material	Plastic (Valox DR-48)
Shock	30g, 11ms



Electrical Specifications

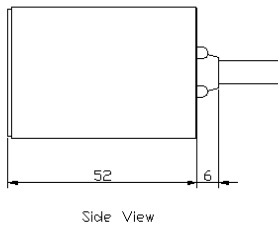
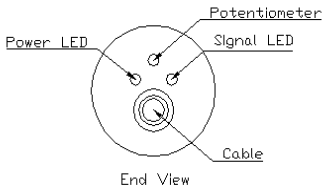
DC Versions AC Versions

Supply Voltage Range	5-48 VDC	24-240 VAC
Continuous Switching Current	300 mA	300 mA
Voltage Drop	<2V DC	<7.5 VAC
Current Consumption	<10 mA	n/a
Maximum Switching Frequency	100 Hz	25 Hz
Leakage Current	n/a	<1.5 mA
Transient Protection	Yes	2kV, 1ms, 1kOhm
Short Circuit Protection	Yes	n/a
Reverse Polarity Protection	Yes	n/a

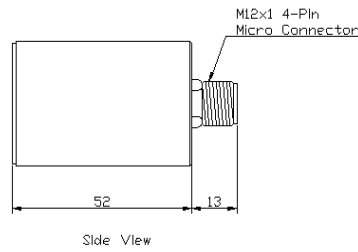
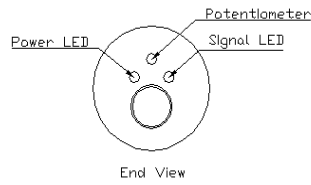
Part Numbers

Supply Voltage	Shielded	Sensing Range	PNP (sourcing)	NPN (Sinking)	AC	Normally Open	Normally Closed	Wiring Diagram	Termination	Part Number
5-48VDC	N	7-30mm	Y			Y		1	Cable	C2B34AP1-P
5-48VDC	N	7-30mm	Y			Y		7	MICRO	C2B34AP2-P
5-48VDC	N	7-30mm	Y				Y	2	Cable	C2B34BP1-P
5-48VDC	N	7-30mm	Y				Y	7	MICRO	C2B34BP2-P
5-48VDC	N	7-30mm		Y		Y		3	Cable	C2B34AN1-P
5-48VDC	N	7-30mm		Y		Y		8	MICRO	C2B34AN2-P
5-48VDC	N	7-30mm		Y			Y	4	Cable	C2B34BN1-P
5-48VDC	N	7-30mm		Y			Y	8	MICRO	C2B34BN2-P
24-240VAC	N	7-30mm			Y	Y		5	Cable	C1B34BF1-P
24-240VAC	N	7-30mm			Y	Y		9	AC-MICRO	C1B34BF2-P
24-240VAC	N	7-30mm			Y		Y	6	Cable	C1B34BF1-P
24-240VAC	N	7-30mm			Y		Y	9	AC-MICRO	C1B34BF2-P

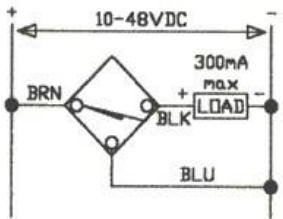
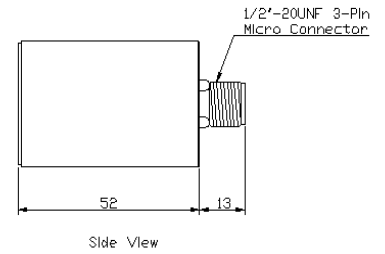
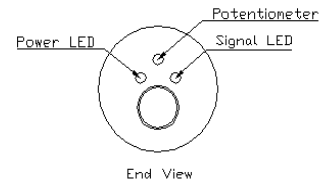
34mm Plastic Cable Versions Dimensions



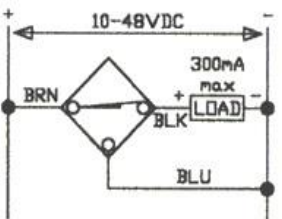
34mm Plastic M12 Connector Versions Dimensions



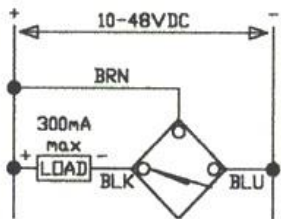
34mm Plastic AC Connector Versions Dimensions



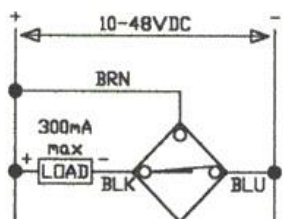
Cable - PNP/N.O.
Wiring Diagram #1



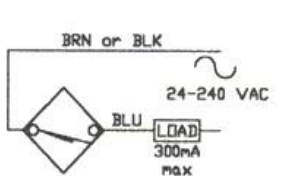
Cable - PNP/N.C.
Wiring Diagram #2



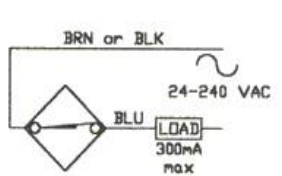
Cable - NPN/N.O.
Wiring Diagram #3



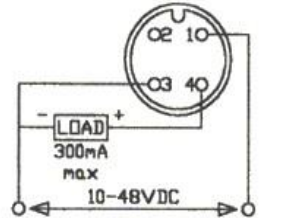
Cable - NPN/N.C.
Wiring Diagram #4



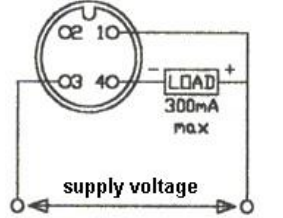
Cable - AC/N.O.
Wiring Diagram #5



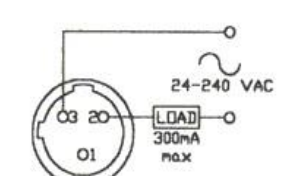
Cable - AC/N.C.
Wiring Diagram #6



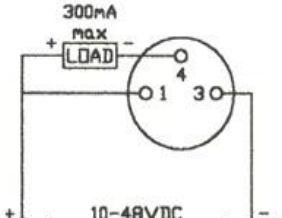
MICRO - PNP
Wiring Diagram #7



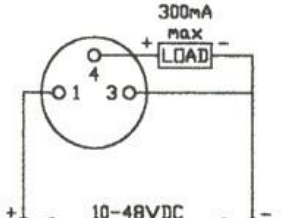
MICRO - NPN
Wiring Diagram #8



1/2\"-20 UNF AC-MICRO
Wiring Diagram #9



PICO - NPN
Wiring Diagram #10



PICO - PNP
Wiring Diagram #11