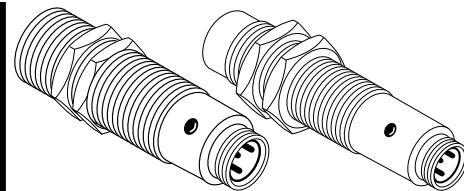


# 18mm

# Inductive Tubular Threaded Barrel

# AC



Proximity Sensors

## 5mm (Shielded) and 8mm (Unshielded) Sensing Ranges

Connector Type	Circuit Description	Housing Material	Housing Length	Shielded Model No.	Unshielded Model No.	Maximum Load Current	Leakage Current @220 VAC	Voltage Drop*	Maximum Switching Frequency		Short Circuit Protected
									Shielded	Unshielded	
<b>AC 20-250V</b>											
3-pin Micro	2W, AC, NO	Metal	92mm	ET120-32420	ET120-33420	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
3-pin Mini	2W, AC, NO	Metal	94mm	ET120-32400	ET120-33400	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Metal	80mm	ET120-32410	ET120-33410	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Plastic	80mm	ET220-32410	ET220-33410	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
<b>AC 80-250V</b>											
3-pin Micro	2W, AC, NO	Metal	80mm	ET320-32420	ET320-33420	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
3-pin Mini	2W, AC, NO	Metal	83mm	ET320-32400	ET320-33400	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Metal	50mm	ET320-32410	ET320-33410	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Plastic	50mm	ET320-52410	ET320-53410	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no

\* Across conducting sensor

▶ Consult factory for normally closed model availability.



# 18mm-AC

## Common Sensor Characteristics

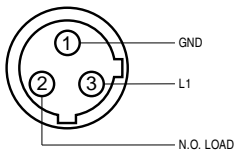
18mm DIAMETER AC SENSORS	
Shielded Sensing Range ( $\pm 10\%$ )	5mm
Unshielded Sensing Range ( $\pm 10\%$ )	8mm
Standard Target (mm) (mild steel)	18x18x1 (Shielded) 24x24x1 (Unshielded)
Repeatability	$\pm 2\%$
Hysteresis	3-8% (typ.); 15% (max.)
Temperature Drift (max.)	$\pm 15\%$
Ambient Temperature Range	-13°F to +158°F
Reverse Polarity Protected	yes
NEMA Enclosure Type	
Metal	1, 3, 4, 6, 13
Plastic	1, 3, 4, 4x, 6, 13
LED Indicator	red = target
Metal Housings	Chrome Plated Brass
Plastic Housings	Ultradur®
Cable Type	PVC
Shipping Weight	Connector model: 4 oz. Cable model: 9 oz.

## Circuit Drawings

### MICRO CONNECTOR MODELS

Male view shown

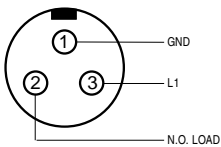
2 Wire AC N.O.



### MINI CONNECTOR MODELS

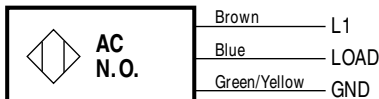
Male view shown

2 Wire AC N.O.



### CABLE MODELS

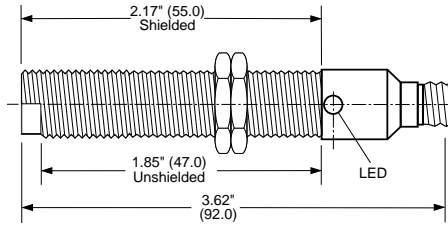
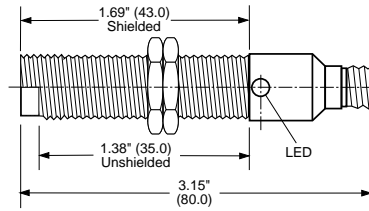
2 Wire AC N.O.



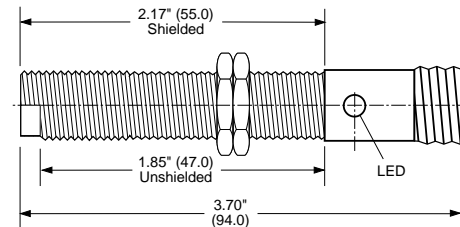
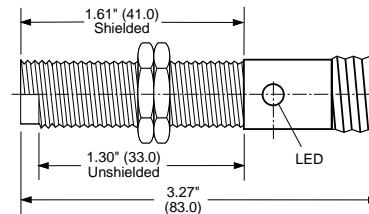
## Dimensional Drawings

### MICRO CONNECTOR MODELS

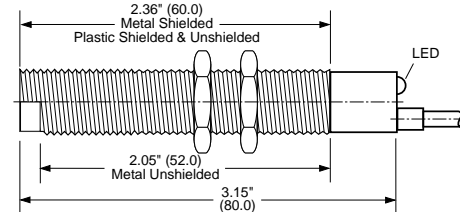
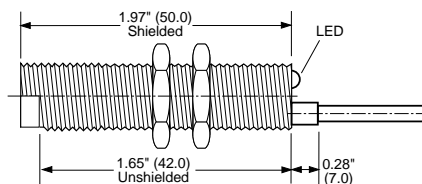
Body threads = M18x1



### MINI CONNECTOR MODELS



### CABLE MODELS



Proximity Sensors

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