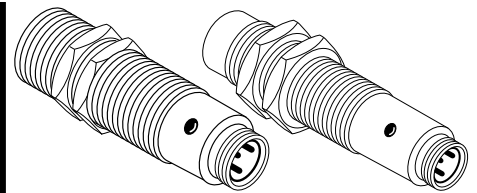


18mm

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	
AC 20-250V											
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
AC 80-250V											
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

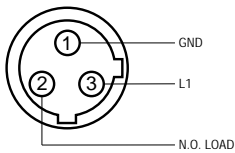
18mm DIAMETER AC SENSORS	
Shielded Sensing Range ($\pm 10\%$)	5mm
Unshielded Sensing Range ($\pm 10\%$)	8mm
Standard Target (mm) (mild steel)	18x18x1 (Shielded) 24x24x1 (Unshielded)
Repeatability	$\pm 2\%$
Hysteresis	3-8% (typ.); 15% (max.)
Temperature Drift (max.)	$\pm 15\%$
Ambient Temperature Range	-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

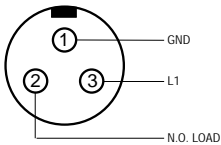
2 Wire AC N.O.



MINI CONNECTOR MODELS

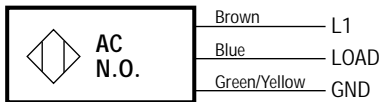
Male view shown

2 Wire AC N.O.



CABLE MODELS

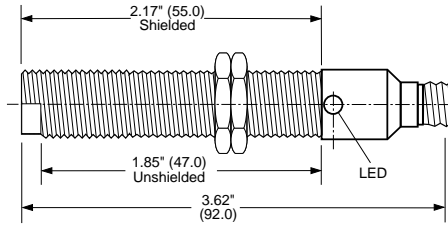
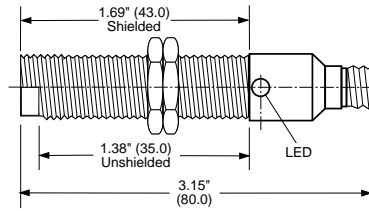
2 Wire AC N.O.



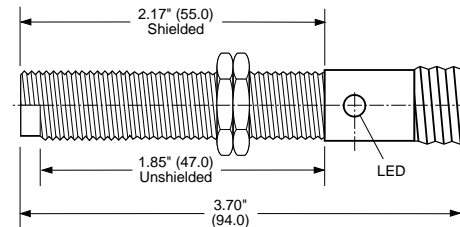
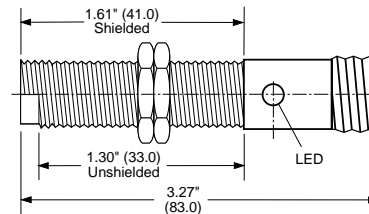
Dimensional Drawings

MICRO CONNECTOR MODELS

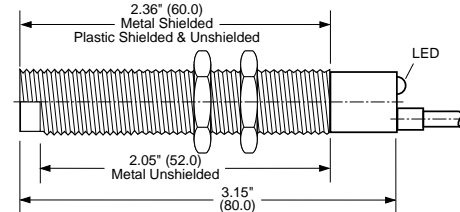
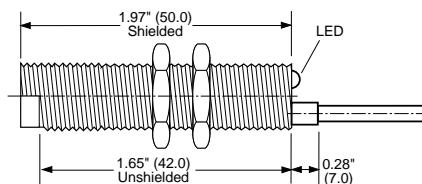
Body threads = M18x1



MINI CONNECTOR MODELS



CABLE MODELS



Proximity Sensors

NAMCO

Namco Controls Corporation

Mayfield Village, OH 44143

(440) 460-1360 • FAX (440) 460-3800 • namcocontrols.com

For technical assistance, call 1-800-NAMTECH