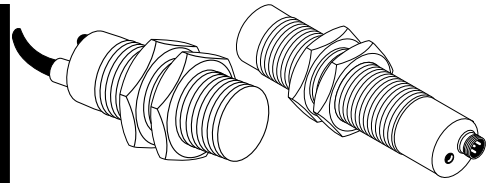


30mm

Inductive Tubular Threaded Barrel

AC



Proximity Sensors

10mm (Shielded) and 15mm (Unshielded) Sensing Ranges

Connector Type	Circuit Description	Housing Material	Housing Length	Shielded Model No.	Unshielded Model No.	Maximum Load Current	Leakage Current	Voltage Drop*	Maximum Switching Frequency		Short Circuit Protected
									Shielded	Unshielded	
AC 20-250V Metal											
3-pin Micro	2W, AC, NO	Metal	78mm	ET120-42420	—	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
3-pin Mini	2W, AC, NO	Metal	82mm	ET120-42400	—	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Metal	50mm	ET320-62410	ET320-63410	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Metal	80mm	ET120-42410	ET120-43410	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
AC 20-250V Plastic											
6.6' Cable	2W, AC, NO	Plastic	80mm	ET220-42410	ET220-43410	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Plastic	50mm	ET320-72410	ET320-73410	400mA	<1.5mA	<8 VAC	25Hz	25Hz	no

* Across conducting sensor

► Consult factory for normally closed model availability.



Common Sensor Characteristics

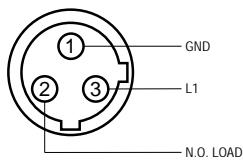
30mm DIAMETER AC SENSORS	
Shielded Sensing Range ($\pm 10\%$)	10mm
Unshielded Sensing Range ($\pm 10\%$)	15mm
Standard Target (mm) (mild steel)	30x30x1 (Shielded) 45x45x1 (Unshielded)
Repeatability	$\pm 2\%$
Hysteresis	3-8% (typ.); 15% (max.)
Range Drift over Temperature	$\pm 15\%$
Operating Temperature 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: 5 oz. Cable model: 10 oz.

Circuit Drawings

MICRO CONNECTOR MODELS

Male view shown

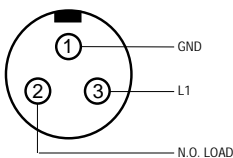
2 Wire AC N.O.



MINI CONNECTOR MODELS

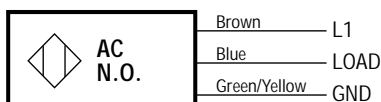
Male view shown

2 Wire AC N.O.



CABLE MODELS

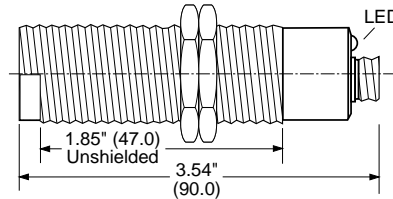
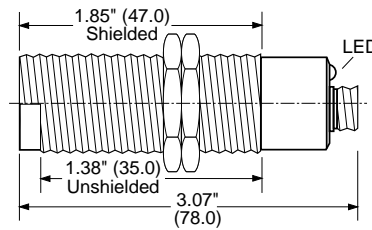
2 Wire AC N.O.



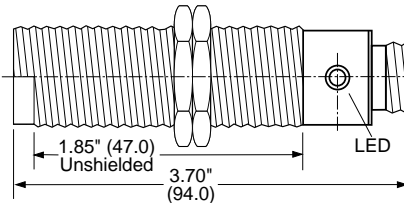
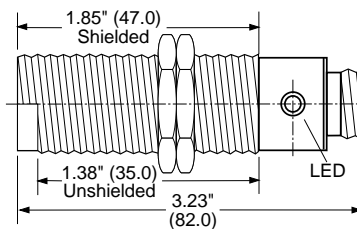
Dimensional Drawings

MICRO CONNECTOR MODELS

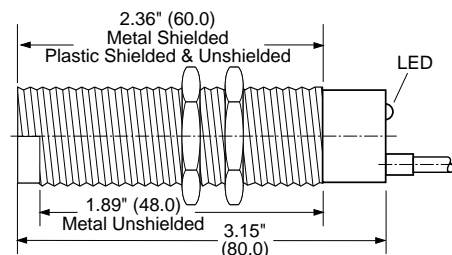
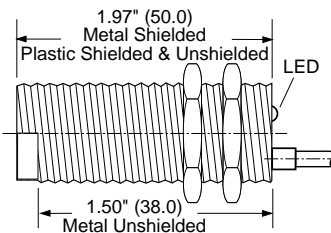
Body threads = M30x1.5



MINI CONNECTOR MODELS



CABLE MODELS



NAMCO

2013 West Meeting Street • Lancaster, SC 29720
1-803-286-8491 • FAX: 1-800-678-6263
www.namcocontrols.com

For technical assistance, call 1-800-NAMTECH