

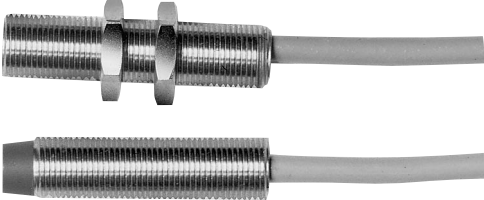
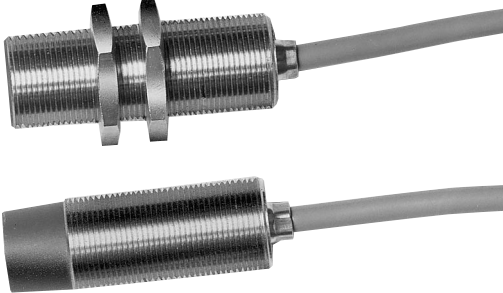
Proximity Sensors

8 to 18 mm Diameter Cylindrical
Analog 2-wire DC Type

921 Series

- FEATURES
- Sealed to IP 67
 - Variable current output
 - −25 to +85°C (−13 to +185°F) temperature range

ORDER GUIDE

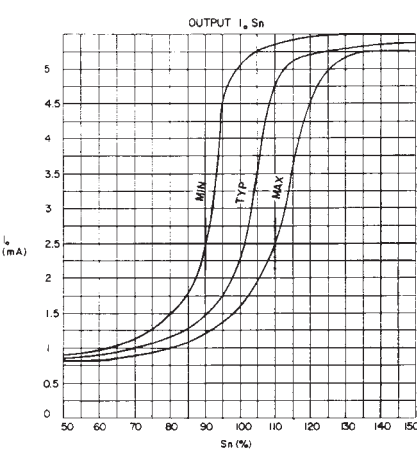
Sensor Package Style	Sensing Range mm (in.)	Sensor Type	LED	Sw. Freq.	Standard Target* mm (in.)	Output Type	Catalog Listing
	1,4 (.05) Shielded	Analog	NO	3 kHz	8 (.31)	Variable Current	921AA1Y
	2,5 (.10) Unshielded	Analog	NO	3 kHz	8 (.31)	Variable Current	921AB1Y
	2 (.08) Shielded	Analog	NO	2 kHz	12 (.47)	Variable Current	921AA2XM
	5 (.20) Unshielded	Analog	NO	2 kHz	15 (.49)	Variable Current	921AB2XM
 104,3g (3.68 oz)	5 (.20) Shielded	Analog	NO	1 kHz	18 (.71)	Variable Current	921AA3XM
	8 (.31) Unshielded	Analog	NO	1 kHz	24 (.94)	Variable Current	921AB3XM

*Square of mild steel, 1 mm (.04 in.) thick.

SPECIFICATIONS

Sensor Type	2-wire DC
Supply Voltage	5-24 VDC, 5% Ripple
Load Current, max.	10 mA
Leakage Current	NA
Voltage Drop, max.	NA
Current Consumption	10 mA max.
Repeatability, Shielded	±1%
Repeatability, Unshielded	±3%
Sensing Face Material	Polyamide
Housing Material	Nickel-plated brass
Cable Type	PVC jacket, 26 gage

OUTPUT CURVE



Proximity Sensors

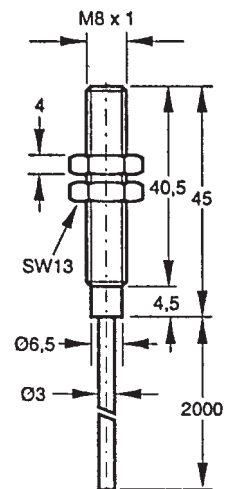
921 Series

8 to 18 mm Diameter Cylindrical

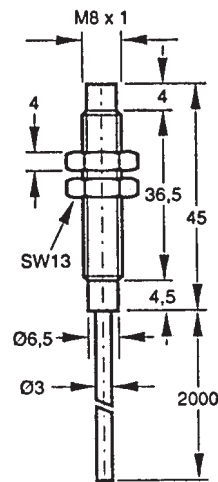
Analog 2-wire DC Type

MOUNTING DIMENSIONS $\frac{\text{mm}}{\text{in.}}$
(For reference only)

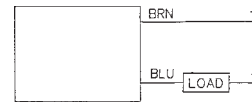
8 mm Shielded



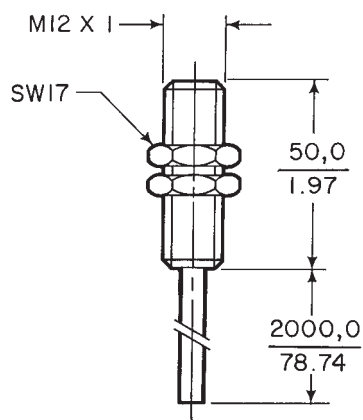
8 mm Unshielded



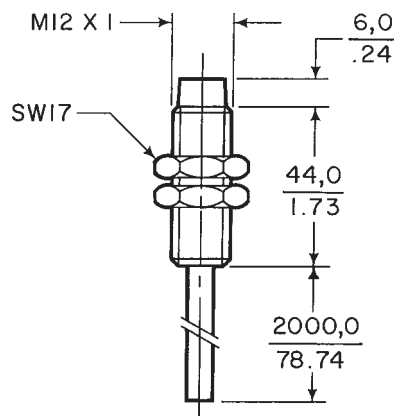
WIRING DIAGRAM



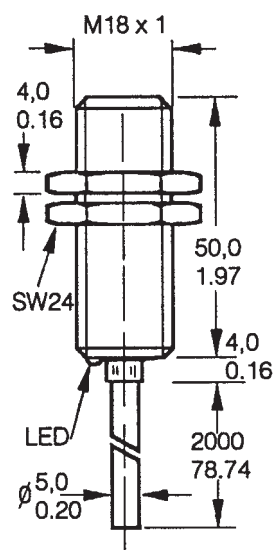
12 mm Shielded



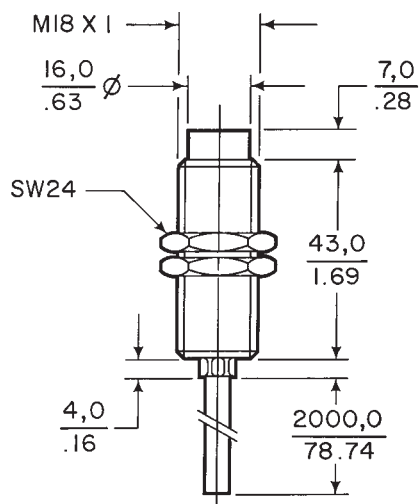
12 mm Unshielded



18 mm Shielded



18 mm Unshielded



Proximity