

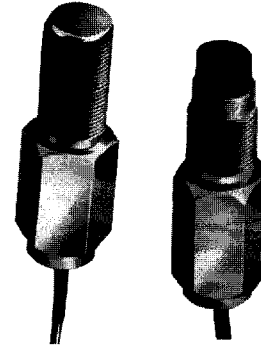
# Proximity Sensors

100FW Series

## Severe Environment Proximity Sensors 3-Wire DC All-Metals Sensitive Type

### FEATURES

- All-metals sensitive
- Designed for aircraft, ordnance, marine, mass transit, high performance industrial equipment
- Stainless steel housing, thick wall construction for effective shielding
- Leadwire or connector termination
- Factory Mutual certified for Class I, Division 2, Groups A, B, C, D
- Circuit protection against: Transients, MIL-STD-704 EMI, MIL-STD-461 False pulse Load shorts Reverse voltage 400 Hz interference



### ORDER GUIDE

Sensor Package Style	Sensing Range mm (in.)	Sensor Type	LED	Sw. Freq.*	Standard Target** mm (in.)	Output Type	Termination	Catalog Listing
5/8-24 UNEF Thread	2,41 ± 0,51 (.095 ± .02) Shielded	3-wire DC	NO	500 Hz	15,9 dia. x 1,59 (.625 x .062)	NPN, N.O.	Connector Leadwires	112FW12-R1 112FW12-4
5/8-24 UNEF Thread	5,84 ± 0,76 (.230 ± .03) Unshielded	3-wire DC	NO	500 Hz	15,9 dia. x 1,59 (.625 x .062)	NPN, N.O.	Leadwires	122FW12-4

\*Varies with application details (target size, distance, etc); should be evaluated for each installation design.  
\*\*SAE 1018 steel target.

### SPECIFICATIONS

Sensor Type	3-wire DC
Supply Voltage	18-32 VDC
Load Current	120 mA, 50 mA Lamp
Leakage Current, max.	10 µA
Voltage Drop, max.	1 V
Current Consumption, max.	20 mA
Inrush Current	—
Repeatability	± 1%
Hysteresis	0,13 mm (.005 in.)
Temperature Range	-54 to +125°C (-65 to +257°F)
Sensing Face Material	High temperature phenolic
Housing Material	Stainless Steel

### MOUNTING DIMENSIONS

(For reference only)

