

## AC - 2 WIRE-STANDARD

**Brass, Nickel Plated (BN), Cylindrical,  
Threaded, 90-250V AC, 250mA,  
LED for Output Energized**

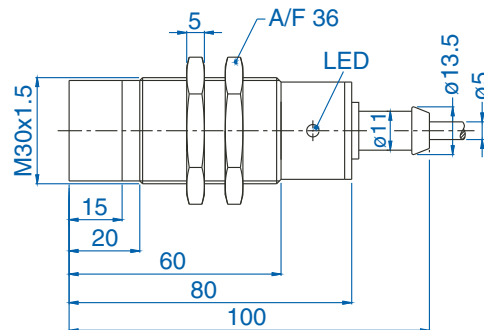
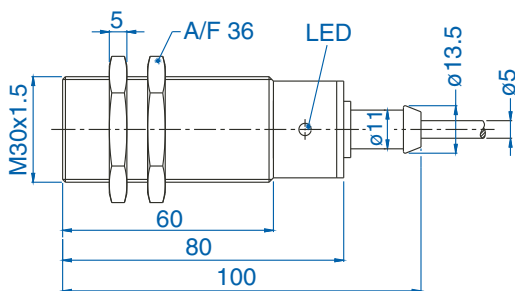
- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Overload Protection
- Wire Break Resistance
- Transient Voltage Protection
- Temperature Range: -25 to 70°C (-13 to 158°F)



	M30 Flush Mount	M30 Non-Flush Mount
Sensing Distance	10mm (.39 in.)	15mm (.59 in.)
Cable or Connector Style Cat. No.	Cable	Cable
Normally Open	AIS30F10AW220-2M	AIS30N15AW220-2M
Normally Closed	AIS30F10RW220-2M	AIS30N15RW220-2M
Ripple Voltage	—	—
Voltage Range	90-250V	90-250V
Supply Current	≥10mA	≥10mA
Max. Load Current	250 mA	250 mA
Voltage Drop Across Sensor	≤9V	≤9V
Max. Leakage Current	≤3mA	≤3mA
Switching Frequency	10 Hz	10 Hz
Hysteresis	≤1.0mm	≤1.5mm
Temperature Drift	≤±20µm/K	≤±30µm/K
Repeatability	≤0.3mm	≤0.5mm

### Fixed Cable

PVC 2m (6ft. 6in.) encapsulated oil resistant cable. For other cable lengths and/or PUR cable, please consult Altech. Supplied with brass, nickel plated locknuts.



*Note: Sensor dimensions in mm.*

## Metric/in. Conversion Table

1.5 mm = .06 in.	23.0 mm = .08 in.
2.0 mm = .08 in.	28.0 mm = 1.10 in.
4.0 mm = .16 in.	30.0 mm = 1.18 in.
5.0 mm = .20 in.	32.0 mm = 1.26 in.
6.0 mm = .23 in.	34.0 mm = 1.34 in.
8.0 mm = .31 in.	40.0 mm = 1.57 in.
10.0 mm = .39 in.	50.0 mm = 1.97 in.
12.0 mm = .47 in.	51.0 mm = 2.01 in.
15.0 mm = .59 in.	60.0 mm = 2.36 in.
18.0 mm = .70 in.	80.0 mm = 3.12 in.

This table converts millimeters to inches in reference to the illustrations included on these pages.

If you do not see a converted dimension, multiply mm by 0.03937 to convert to inches.

## Wiring Diagrams

Note: Wire colors are applicable on cables purchased from Altech

