AC - 2 WIRE-STANDARD

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

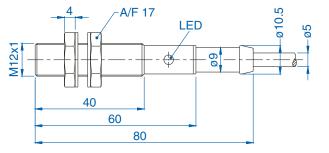
- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Overload Protection
- Wire Break Resistance
- Transient Voltage Protection
- Temperature Range: -25 to 70°C (-13 to 158°F)

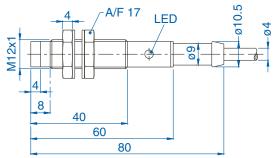
	M12 Flush Mount	M12 Non-Flush Mount
Sensing Distance	2mm (.08 in.)	4mm (.16 in.)
Cable or Connector Style Cat. No.	Cable	Cable
Normally Open 🔍 🗕	AIS12F02AW220-2M	AIS12N04AW220-2M
Normally Closed	-	-
Ripple Voltage	-	-
Voltage Range	90-250V	90-250V
Supply Current	≥10mA	≥10mA
Max. Load Current	250 mA	250 mA
Voltage Drop Across Sensor	≤9V	≤9V
Max. Leakage Currrent	≤3mA	≤3mA
Switching Frequency	10 Hz	10 Hz
Hysterisis	≤ 0.4mm	≤0.6mm
Temperature Drift	≤±4μm/K	≤±8µm/K
Repeatability	≤0.1mm	≤ 0 .4mm

Fixed Cable

Œ

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.







Metric/in. Conversion Table

1.5 mm .06 in. 2.0 mm .08 in. 4.0 mm .16 in 5.0 mm .20 in. 6.0 mm .23 in. 8.0 mm .31 in. 10.0 mm .39 in. 12.0 mm .47 in. 15.0 mm .59 in. 18.0 mm .70 in.	23.0 mm = .08 in. 28.0 mm = 1.10 in 30.0 mm = 1.18 in. 32.0 mm = 1.26 in. 34.0 mm = 1.26 in. 40.0 mm = 1.57 in. 50.0 mm = 1.97 in. 51.0 mm = 2.01 in. 60.0 mm = 2.36 in. 80.0 mm = 3.12 in.	This table converts millimeters to inchess in reference to the illustrations included on these pages. If you do not see a coverted dimension, multiply mm by 0.03937 to convert to inches.
--	--	---

M18 Flush Mount	M18 Non-Flush Mount
5mm (.20 in.)	8mm (.31 in.)
Cable	Cable
AIS18F05AW220-2M	AIS18N08AW220-2M
AIS18F05RW220-2M	AIS18N08RW220-2M
-	-
90-250V	90-250V
10mA	≥10mA
250 mA	250 mA
9V	≤9V
3mA	≤3mA
10 Hz	10 Hz
0.5mm	≤ 0.8mm
≤±10μm/K	≤±16μm/K
≤0.2mm	≤0.4mm

Wiring Diagrams Note: Wire colors are applicable on cables purchased from Altech

