872C WorldProx™ 2-Wire AC/DC Relay Output

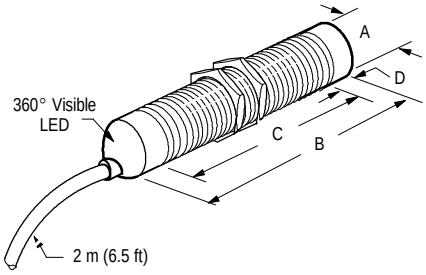
Threaded Nickel-Plated Brass Barrel

Product Selection

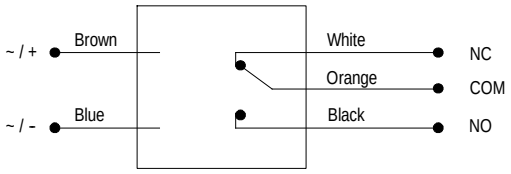
Barrel Diameter	Nominal Sensing Distance [mm (in.)]	Shielded	Output Configuration	Switching Frequency [Hz]	Cat. No.
30 mm	10 (0.39)	Y	SPDT Relay	30	872C-B10BR30-E2
	15 (0.59)	N			**872C-B15BR30-E2**

Approximate Dimensions [mm (in.)]

Cable Style



Wiring Diagram



Thread Size	Shielded	[mm (in.)]			
		A	B (max)	C (min)	D (max)
M30 X 1.5	Y	30 (1.18)	61.0 (2.40)	57.0 (2.24)	—
	N		73.0 (2.87)		12.2 (0.48)

Description

Bulletin 871T inductive proximity sensors are self-contained, solid-state devices designed to sense the presence of ferrous and nonferrous metal objects without touching them.

The switch body consists of a plastic or stainless steel face and a threaded stainless steel barrel. They meet NEMA 1, 2, 3, 4, 12, 13 and IP67 (IEC529) enclosure standards. The electronic circuitry is potted for protection against shock, vibration, and contamination.

These sensors are available in 12 and 18 mm diameter housings. Connection options include a PVC cable and mini quick-disconnect.

Ferrous Selective Proximity Sensors

The Bulletin 871T ferrous (Fe) selective inductive proximity sensors operate in industrial environments where ferrous metal targets must be sensed without being touched. They are also an excellent replacement for standard inductive proximities that are sensing ferrous metals and subject to harsh environments. They are designed to replace standard inductive proximities when sensing ferrous metals or ignoring nonferrous chips smaller than 3 mm (0.125 in.).

The Fe-selective proximity sensors have a stainless steel sensing face and body. The stainless steel sensing face provides extra protection in sensor applications where the sensing face is subjected to abrasion and chemicals. Typical proximity sensors have plastic sensing faces.

These sensors are self-contained, solid state, dual output devices which will energize and de-energize external loads. Each sensor has a normally open (N.O.) and an isolated normally closed (N.C.) output which can be operated up to 500 mA each. As with any sensor each application and target material should be reviewed before installing the sensor. Detailed specifications for these sensors are listed on page 2–90.

Features

- Threaded stainless steel barrel
- Cable or quick-disconnect styles
- Short circuit protection (DC models)
- Overload protection (DC models)
- Transient noise protection
- False pulse protection
- Reverse polarity protection (DC models)
- UL Listed, CSA Certified and CE Marked for all applicable directives

Styles

Accessories

General Information