

Buying the Proper Proximity Sensor

Not All Proximity Sensors Are Created Equal...

Namco makes two grades of proximity sensors:

- Tough - Our "Standard Industrial Grade" line
- Incredibly Tough - Our WFI Automotive-Grade Line

Most industrial applications require a pretty rugged sensor; for example, a packaging machine or material handling application. For these jobs, Namco's Standard Industrial Grade products are well-suited. However, there are some applications where nothing but the most durable will do. For example, if you have lots of welding activity nearby, both physical and electronic characteristics must be upgraded.

To make sure you match your sensor selection to your application, call 1-800-NAMTECH.

Namco Standard Industrial Grade Sensor

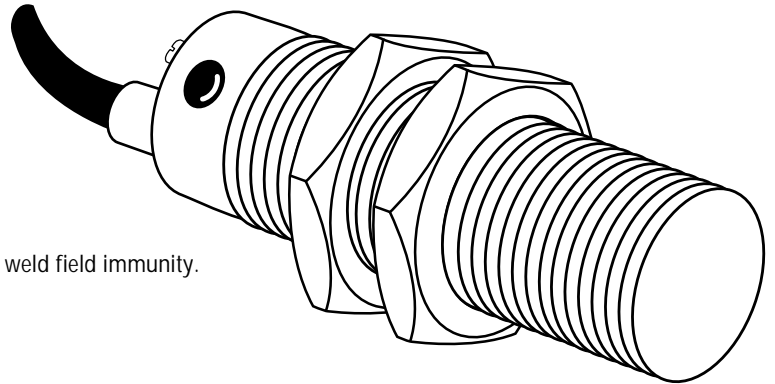
Liquid polyurethane used as encapsulant.

Single LED - on with target present.

Thermoplastic sensing face.

Value priced.

No weld field immunity.



Housings of either thermoplastic or chrome plated brass.

Current-limit type short circuit protection on some models (as indicated in selector chart).



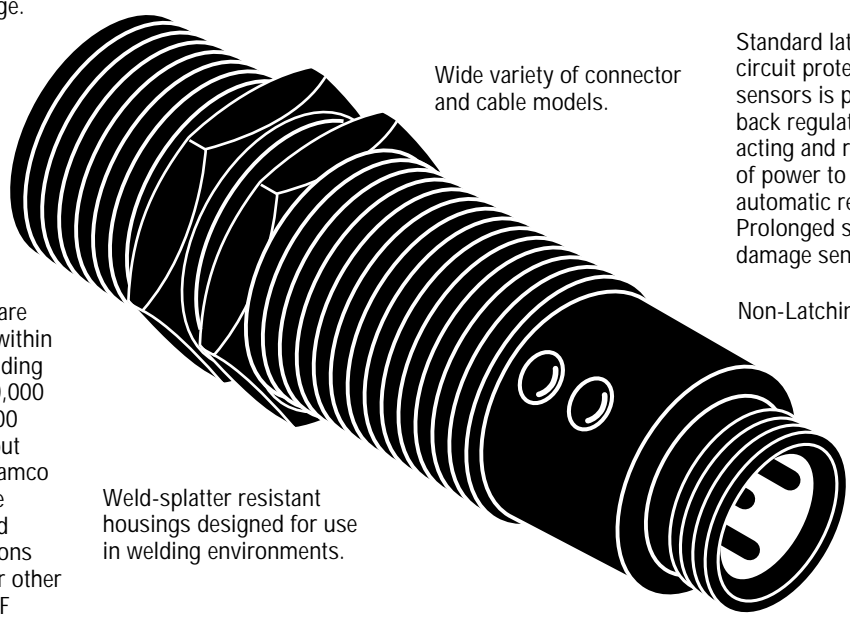
Namco Weld Field Immune (WFI) Sensor

Circuitry to accept a broad range of input voltages. Predictable, consistent electrical performance independent of input impedance and voltage.

Housing must withstand 300 pound step test and/or 250 pound cantilevered load test per UL 508.

Special epoxy encapsulants are mechanically strong while maintaining electrical insulative properties.

Meets UL 508 requirements. Connectors, cables, and sensor tested for strength, flammability, insulation, torque, and pull out.



Wide variety of connector and cable models.

Standard latching short circuit protection in Namco sensors is patented fold-back regulator type; fast-acting and requires removal of power to prevent automatic restart. Prolonged shorts will not damage sensor electronics.

Non-Latching.

Namco WFI sensors are designed to operate within 1" of a resistance welding electrode carrying 20,000 Amperes RMS (45,000 Amperes peak) without changing state. All Namco WFI sensors pass the NEMA noise tests and exhibit no false turn-ons from walkie-talkies or other in-plant sources of RF Noise.

Weld-splatter resistant housings designed for use in welding environments.

Every Namco WFI sensor:
1) goes through 52 automatic testing steps;
2) is thermocycled between -20°C to +70°C;
3) is 100% functionally tested.

Two LED's: Green for "target sensed" and red for "power available" (AC/DC versions); Green for "power available" and amber for "target sensed" (DC versions).

Molded thermoset plastics for rectangular and extended range, hard coat for tubulars.



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For technical assistance, call 1-800-NAMTECH