

80016

Hazardous Location Immersion Temperature Controller

- Explosion Resistant Junction Box
- Non-Indicating
- Heliarc Welded Thermowell
- Tolerates Extreme Temperature Exposures
- 10 Amps at 120 Vac,
5 Amps at 240 Vac



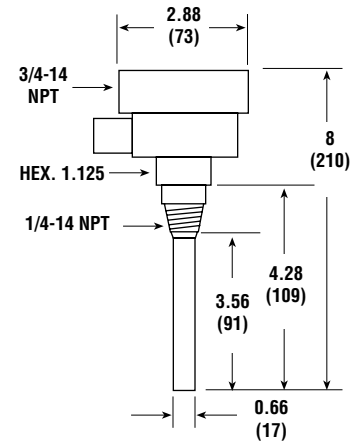
Description

The 80016 is an assembly consisting of a Series 17000 or 47000 unit, well assembly, and explosion-resistant junction box designed to meet the requirements of Class I, Group D, and Class II, Group E, F and G, Division 1 and 2 locations.

The sensing element, which is a cartridge-type unit, is seated in the well assembly, and held in place by a snap ring. The well assembly, in turn, is threaded into the explosion-resistant junction box, giving protection to the controller.

Not recommended for pilot duty switching of magnetic contactors.

Dimensions



All Dimensions in Inches (mm)

Specifications

Well Assembly Pressure Ratings 100 psi at 250°F (690 kPa at 120°C)
60 psi at 500°F (415 kPa at 260°C)

Well Assembly Material Type 321 Stainless Steel

Current Rating 10 Amps at 120 Vac
5 Amps at 240 Vac

Extreme Temperature Exposures May be exposed to -100°F (-74°C) indefinitely. They may be exposed to high temperature for one hour maximum as follows:

Model	Exposure
80016-17000	100°F (55°C) above setpoint
80016-17021	500°F (260°C)
80016-47002	100°F (55°C) above setpoint
80016-47023	600°F (315°C)

WARNING: Hazard of Fire. These controls function as temperature controls only. Because they do not fail-safe an approved temperature and/or pressure safety control must be used for safe operation.

Ordering Information

Temperature Range		Contact Operation on Temperature Rise	Model	Stock	PCN
°F	°C				
-100 to +400°F	-74 to +204	Opens	80016-17000	NS	305250
-100 to +400°F	-74 to +204	Closes	80016-17021	NS	305269
-100 to +500°F	-74 to +260	Opens	80016-47002	NS	305277
-100 to +500°F	-74 to +260	Closes	80016-47023	NS	305285