

80016

Hazardous Location Immer- sion Temperature Controller



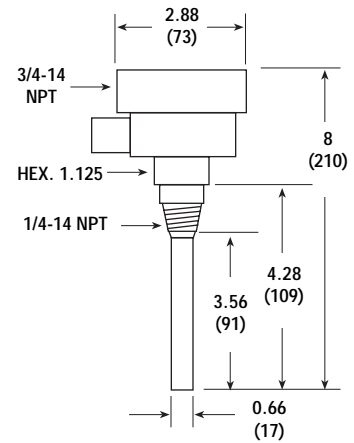
- Explosion Resistant Junction Box
- Non-Indicating
- Heliarc Welded Thermowell
- Tolerates Extreme Temperature Exposures
- 10 Amps at 120 Vac,
5 Amps at 240 Vac

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.

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