

Supervisory Pressure Switch, 3-Inch Valve Data Sheet (Manufactured Prior to May 1, 2013) P/N 06-118263-001



F-93-9048

FEATURES

- Both Normally Open and Normally Closed Configuration with One Unit
- For Use on 3" Valves Manufactured Prior to May 1, 2013
- UL Listed and FM Approved
- CRUUS Recognized Component (US and Canada)

DESCRIPTION

The Supervisory Pressure Switch is intended to detect a fall in pressure in the FM-200[®] container. The supervisory pressure switch can be wired for either normally open or normally closed, depending on installation requirements. This switch can be installed on 3-inch valve cylinders manufactured prior to May 1, 2013 only (i.e., 600 lb. cylinders and 900 lb. cylinders). For 3-inch valve cylinders manufactured after May 1, 2013, use Supervisory Pressure Switch P/N: 06-118262-001.

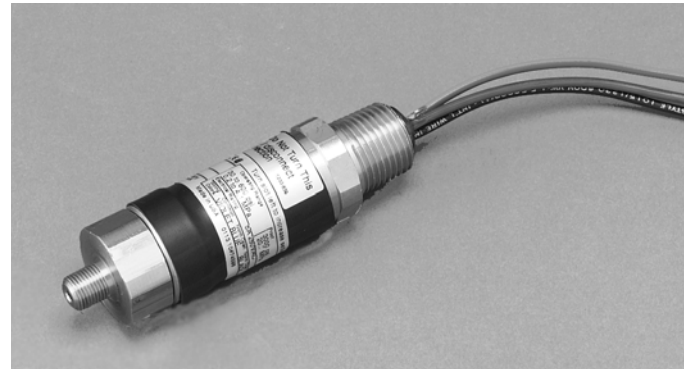
OPERATION

When the pressure in the FM-200 container drops from the standard charge pressure of 360 PSI (25 bar) to below 305 PSI (21 bar) the switch operates. If wired in the NC (open-under-pressure) configuration the resulting pressure drop will cause the contacts to close. When connected to a monitored circuit of a suppression control panel the switching will result in an alarm or trouble condition.

Note: If the temperature of the container contents drop to a temperature of 32°F (0°C) or below, the pressure in the container will be equal to or less than 305 PSI (21 bar) and the switch will operate. However, the minimum operating temperature of the system is 32°F (0°C).

INSTALLATION

The supervisory pressure switch can be installed on a fully charged container, without loss of pressure, provided the unit is handled with care and only by trained service personnel. Remove the protective plug in the pressure port fitting by holding the fitting with an 5/8" open-end wrench and removing the plug with another wrench. Apply Permacel[®] #412D Teflon[®] tape to the male switch threads and while maintaining the wrench on the fitting install the switch.



Tighten using a 1-1/16-inch open-end wrench. Leak check using a leak detector or bubbling solution. Secure switch body with wrench when connecting electrical conduit. Isolate the assembly from shock, vibration and areas subject to wide-ranging or rapid temperature fluctuations. Disconnect all supply circuits before wiring the supervisory switch.

ORDERING INFORMATION

The supervisory pressure switch offers combined normally opened and normally closed functionally. The part number for ordering the supervisory pressure switch is 06-118263-001.

SPECIFICATION

Setting:	305 PSI (21 bar) on falling pressure
Electrical rating:	5 Amps, 250 Vac
Wire color coding:	Blue = Normally Open Black = Normally Closed Violet = Common
Operating temperature range:	32° to 130°F (0° to 54°C)
Pressure connection:	0.125-27" NPT male connector
Wetted materials:	EPR, Brass
Lead length:	36 in. +/- 2 in. (914 mm +/- 50 mm)

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