Kidde Engineered Fire Suppression System

Designed for use with 3M™ Novec™ 1230 Fire Protection Fluid

Effective: June 2015

Supervisory Pressure Switch, 1-1/2”, 2”, and 3” Valve

K-45-9047

FEATURES

- ***Both Normally Open and Normally Closed Configuration with One Unit***
- ***Suitable for 10 lb. through 900 lb. Kidde Engineered Systems***
- ***UL Listed, ULC Listed, and FM Approved for use with Novec 1230 Systems***
- ***CRUUS Recognized Component (US and Canada)***

P/N: 06-118262-001

DESCRIPTION

The cylinder supervisory pressure switch is intended to detect a fall in pressure in the Kidde Engineered System cylinder. The cylinder supervisory pressure switch can be wired for either normally open or normally closed operation, depending on installation requirements. This cylinder supervisory pressure switch can be installed on Kidde Engineered System cylinders, 10 lb. through 900 lb. size. For 3” valves manufactured prior to May 1, 2013 use Supervisory Pressure Switch P/N: 06-118263-001.

OPERATION

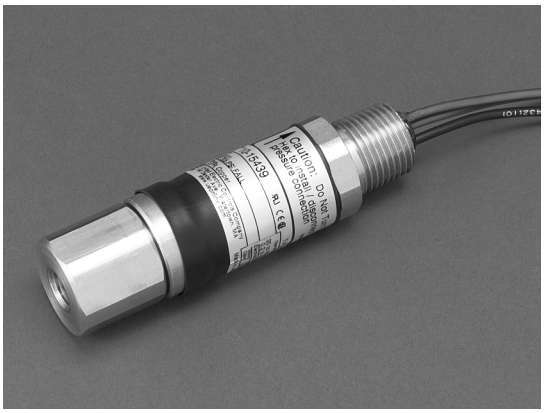
When the pressure in the Kidde Engineered System container drops from the standard charge pressure of 360 PSI (25 bar) to below 305 PSI (21 bar) the switch operates. If wired in the NC (open-under-pressure) configuration the resulting pressure drop will cause the contacts to close. When connected to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

Note: If the temperature of the cylinder contents drop close to a temperature of 32°F (0°C) or less the pressure in the cylinder 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 0°F (-18°C).

INSTALLATION

The supervisory pressure switch can be installed on a fully charged cylinder, without loss of pressure, provided the unit is handled with care and only by trained service personnel. Remove the protective cap from the pressure connection. Do not apply thread compound to the threads. Install the switch with an 1-1/16 inch open-ended wrench while holding the pressure connection with a 7/16 inch open-end wrench. Tighten hand-tight, plus one-quarter turn.

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 cylinder supervisory pressure switch offers combined normally opened and normally closed functionally. The part number for ordering the cylinder supervisory pressure switch is 06-118262-001.

SPECIFICATIONS

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:	0.25 in. SAE 45° flare female with valve core deflector
Wetted materials:	EPR, Brass Copper
Lead length:	36 in. ± 2 in. (914 mm ± 50 mm)

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