

Kidde ECS Fire Suppression System Component Description



Effective: June 2014
K-90-9047 Rev BA

Supervisory Pressure Switch, 1-1/2", 2", and 3" Valve, P/N: 06-118262-001

FEATURES

- Both Normally Open and Normally Closed Configuration with One Unit
- Suitable for 10 lb. Through 900 lb. Kidde ECS Systems
- UL Listed and FM Approved
- CRUUS Recognized Component (US and Canada)

DESCRIPTION

The Kidde ECS System cylinder supervisory pressure switch is intended to detect a fall in pressure in the agent 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 agent container drops from the standard charge pressure of 360 psi (25 bar) to below 288 psi (19.86 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 288 psi (19.86 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 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" open-ended wrench while holding the pressure connection with a 7/16" 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.

This literature is provided for informational purposes only. KIDDE-FENWAL, INC. assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to work correctly. If you need more information on this product, or if you have a particular problem or question, contact KIDDE-FENWAL Inc.



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:** 288 psi (19.86 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" SAE 45° flare female with valve core deflector
- Wetted materials:** EPR, Brass Copper
- Lead length:** 36 in. +/- 2 in. (914 mm +/- 50 mm)

COMPATIBILITY

Series	For Use With
Kidde ECS HFC-227ea	X
Kidde ECS Advanced Delivery FM-200®	X

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