Kidde ECS 500 psi
with FK-5-1-12 Fire Protection Fluid

Supervisory Pressure Switch Data Sheet

FEATURES

- Both Normally Open and Normally Closed Configuration with One Unit
- Suitable for 10 lb. through 1100 lb. Kidde ECS 500 psi Systems cylinders
- UL Listed, ULC Listed, and FM Approved for use with Kidde ECS 500 psi Systems

P/N: 45-118500-001 and 45-500537-001

DESCRIPTION

The cylinder supervisory pressure switch is intended to detect a fall in pressure in the Kidde ECS 500 psi 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 ECS 500 psi System cylinders, 10 lb. through 1100 lb. size.

OPERATION

When the pressure in the Kidde ECS 500 psi System container drops from the standard charge pressure of 500 PSI (35 bar) to below 435 PSI (30 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.

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.

ORDER 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 45-118500-001 or 45-500537-001 (FOR ATEX VERSION).

SPECIFICATIONS

| Setting:  | 435 PSI (30 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) |

EXPORT INFORMATION (USA)

Jurisdiction: EAR
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