

Prolnert Discharge Pressure Switch Assembly

GASEOUS SUPPRESSION SYSTEM

Product Overview

Fike's Discharge Pressure Switch Assembly (DPS) is used to provide a latching electrical input to the control panel to confirm a system discharge/actuation.

If the Prolnert Fire Extinguishing System is manually actuated via the manual activation button on the top of the actuation solenoid, this input signal will be necessary to activate the audio-visual alarms for the system.

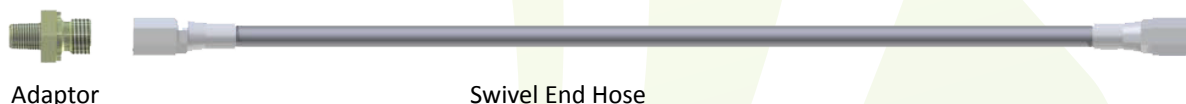
The Discharge Pressure Switch should be wall mounted adjacent to the container or manifold. Connection to the manifold can be made with the 1/4" BSP connector supplied with the switch.

The switch is operated pneumatically using the agent pressure in the discharge piping network



Fike

Discharge Pressure Switch



Adaptor

Swivel End Hose

SPECIFICATIONS

Discharge Pressure Switch Assembly

Assembly Part Number 02-9635 includes:

- (1) 02-10221 Discharge Pressure Switch
- (1) 02-9751 Swivel End Hose
- (1) 02-10797 Adaptor

Temperature Limits: 0 to 54.4°C

Enclosure Rating: IP65

Contact Rating: Single pole, double throw; 5 amp 240VAC, 1 amp @ 24VDC (can be wired for normally open or normally closed operation)

CE Marked: EN 60730-1

Electrical Connection: 20 mm

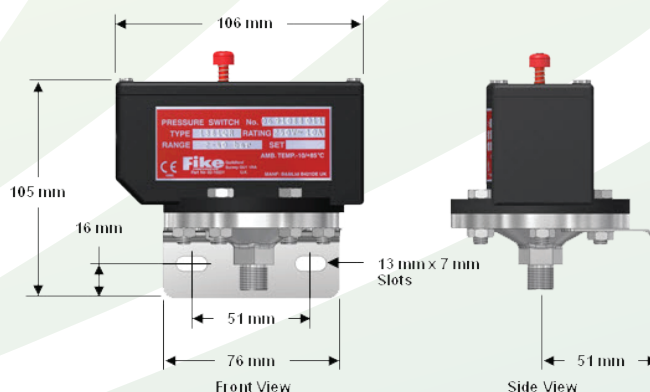
Pressure Connection: 1/8" NPT

Pressure Setting: 2 bar (Increasing)

APPROVALS

LPCB Approved Certification Number 654a

ActivFire® Listed AFP1768



Installation

The Discharge Pressure Switch has a SPST switch that can be wired for a normally open or normally closed discharge input to the system control panel.

The pressure connection to the Discharge Pressure Switch is accomplished using the flex hose supplied with the unit. Connect the 1/8" NPT end to the Adapter Nipple; which has a 1/8" NPT port machined in the side as shown in the illustration below. (see Figure 1)

- Step 1: Mount the Discharge Pressure Switch next to the container(s) using the mounting bracket supplied with (2) 6mm fasteners.
- Step 2: Apply Teflon Tape to the male 1/8" NPT threads of the 1/8" Adaptor, install the 1/8" NPT x 1/4" BSPM Adaptor into the Adapter Nipple (Wrench tight).
- Step 3: Connect the Flex Hose to the 1/8" Adaptor (Wrench tight).
- Step 4: Apply Teflon Tape to the male 1/8" NPT threads on the Discharge Pressure Switch, install Flex Hose to 1/8" threads on Discharge Pressure Switch (Wrench tight).

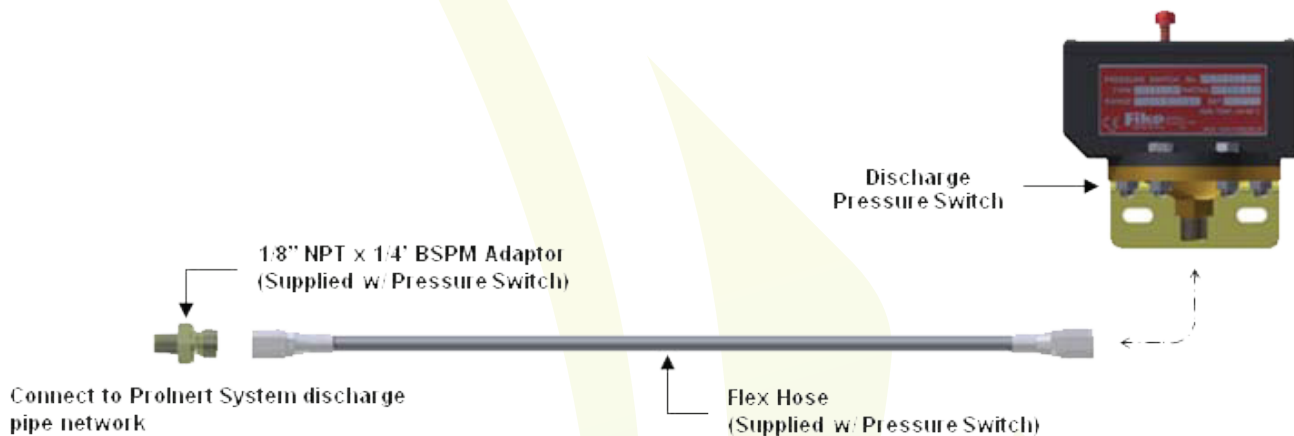


FIGURE 1

WARNING DIAGRAM: Following is a typical wiring diagram showing how the discharge pressure switch is wired to the manual release input of a control panel (See Figure 2) (Refer to the Control Panel Manufacturer's manual for wiring details).

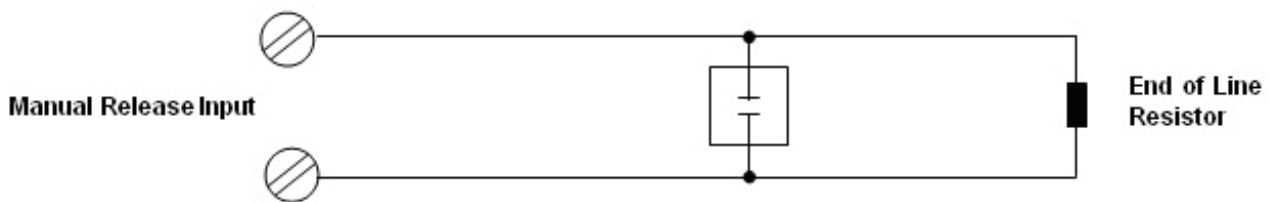


FIGURE 2

**Discharge Pressure Switch
Normally Open Contacts
(Closes when pressure applied)**