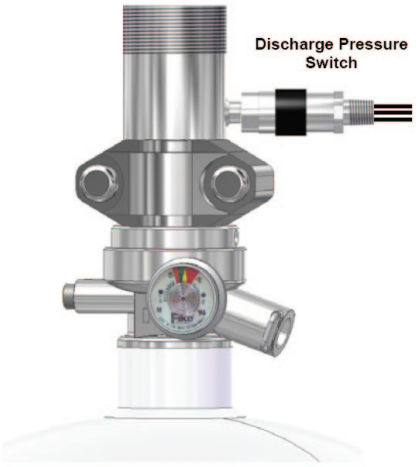
DATA SHEET

DISCHARGE PRESSURE SWITCH



Container w/ Impulse Valve

DESCRIPTION

Discharge Pressure Switch (DPS) is used to provide a positive pneumatic confirmation to the control system that the Fike Fire Suppression system has been discharged.

When a system is discharged manually (by Impulse Valve Operator (IVO) with Strike Button), the discharge pressure switch is required to provide the input to the control system needed to activate various audio/ visual warning devices and auxiliary relays.

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

SPECIFICATIONS

Part Number:	02-12534
Temperature Limits:	32 to 130°F (0 to 54.4° C)
Enclosure Classification:	NEMA 4
Contact Rating:	Single pole, double throw; 5 amps resistive, 3 amps inductive @ 30VDC (can be wired for normally open or normally closed operation)
Body Material:	Aluminum with irridite finish
Weight:	6.5 ounces
Pressure Connection:	1/4" NPT (6 mm)
DPS Length (approx):	4 1/8" (105 mm) Long (including both connectors)
Electrical Connection:	1/2" NPT (15 mm)
Wire Leads:	(3) 18 gauge x 20" (508 mm)long Violet (Common), Blue (N.O.), Black (N.C.)
Pressure Setting:	40 psig (3 bar) (Increasing)

APPROVALS:

- UL Listed
- ULC Listed
- FM Approved

INSTALLATION

Discharge Pressure Switch is installed in the 1/4" NPT (female threads) port machined into the Adapter Nipple as shown in the illustration below. (see Figure 1)

Step 1: Remove rubber cap and apply Teflon Tape to the male threads of the Discharge Pressure Switch.
Step 2: Remove ¼" pipe plug from Adapter Nipple.
Step 3: Thread Discharge Pressure Switch into ¼" NPT port on Adaptor Nipple (Wrench tight).

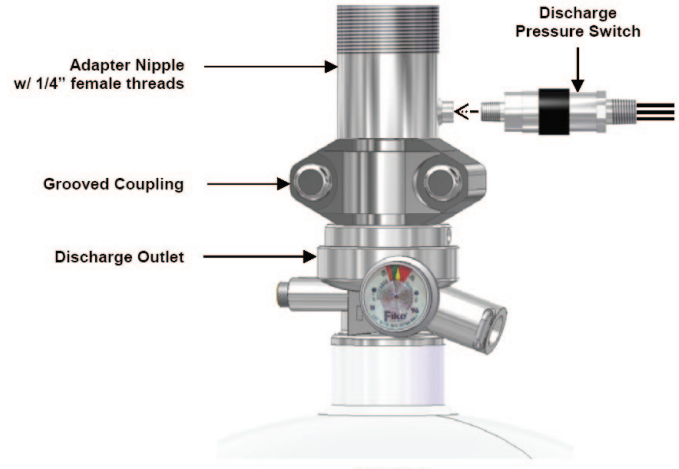


FIGURE 1

Form No. IV.1.12.01-1

704 SW 10th Street • P.O. Box 610 • Blue Springs, Missouri 64013-0610 U.S.A.
Phone: 816•229•3405 • www.fike.com

WIRING DIAGRAM

Following is a typical wiring diagram showing how the discharge pressure switch is wired to the manual release input of the Fike SHP PRO® control panel. (see Figure 2) For control panel wiring details, refer to the SHP PRO manual P/N 06-297

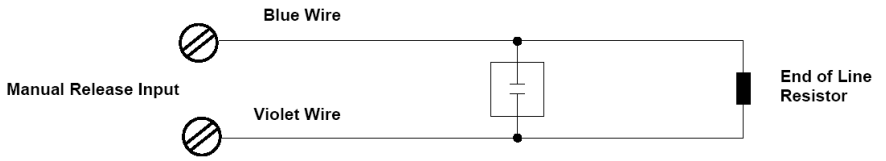


FIGURE 2

Discharge Pressure Switch
Normally Open Contacts
(closes when pressure applied)

When the Cheetah® Xi or Xi 50 is used, the switch can connect to a monitor module (MM) programmed for latching manual release. For control panel wiring details, refer to the Cheetah Xi manual P/N 06-356 or Cheetah Xi 50 manual P/N 06-369.

Form No. IV.1.12.01-1, August 2012. Specifications are subject to change without notice.