

Manual Pull Stations

Series 3300

FEATURES

- **Exclusive KIDDE® Design**
- **Unique Field Labeling for either Fire Alarm or Suppression Applications**
- **Dual Action Operation**
- **Single Pole or Double Pole**
- **Keylock for Reset**
- **FM Approved**
- **cULus Listed for US and Canada**
- **Other domestic approvals in process**
- **Surface and Weatherproof Backboxes**
- **Backwards compatible mounting with the B-10 and B-11**

DESCRIPTION

The Kidde® Conventional SPST and DPST Series 3300 Manual Pull Stations are high quality, non-coded alarm initiating devices. The Manual Pull Stations are constructed of heavy die-cast aluminum for long life and use an internal toggle switch for reliable operation.

The SPST Manual Pull Station provides an Single Pole, Single Throw switch with screw terminal connections for wiring to the Fire Alarm/Suppression Control Unit.

The DPST Manual Pull Station provides a Dual Pole, Single Throw switch with screw terminal connections. One set of contacts must be wired to the Fire Alarm/Suppression Control Unit and the other may be used for local or remote annunciation.

These Manual Pull Stations are designed for quick, efficient response by personnel in an emergency, while the double action PUSH/PULL levers prevent accidental operation. This unit should use a break rod as an indicator of operation.

The Manual Pull Stations can be mounted in an indoor or outdoor weatherproof backbox (Model SBG-32S or Model SGB-32C) or a North American 2-1/2 in. (64 mm) deep 1-gang box. The Manual Pull Station terminal block accepts 14, 16 and 18 AWG wire.

FIRE ALARM OR SUPPRESSION RELEASE LABELING

The Kidde Series 3300 Manual Pull Stations have a unique labeling method which provides the installer the greatest amount of flexibility. Seven labels are shipped with each station:

- **FIRE ALARM**
- **CO₂ RELEASE**
- **FIRE SYSTEMS RELEASE**
- **NOVEC 1230 RELEASE**
- **FM-200 RELEASE**
- **FE-13 RELEASE**
- **HALON-1301 RELEASE**



These permanent, heavy-duty Lexan® self-adhesive labels are die-cut with raised lettering. During installation, the installer simply chooses the appropriate label, removes the protective backing, and places the label into the space on the top of the station. This flexibility allows installations to be customized for each customer, without the expense of having to carry extra inventory.

OPERATION

The dual action Series 3300 manual stations are operated by simply pushing the PUSH bar inwards, allowing the PULL handle to be grasped in a one-handed motion. The handle is then pulled down as far as it will go. If the optional breakrod is installed, it would break at this point. The handle is now locked in place, and is easily visible from up to 50 feet away. The handle is reset by opening the station with the key and placing the handle in the normal upright position. Place the switch actuator in the

down position, insert breakrod into cavity beneath handle (if applicable), and re-lock the station.

SPECIFICATIONS

Station Type:	Double Action, Non-coded
Switch Type:	P/N 84-330001-001: SPST P/N 84-330001-002: DPST
Switch rating:	2 Amp @ 240 Vac or 125 Vdc
Operating Temperature Range:	-40°F to 150°F (-40°C to 66°C)
Operating Humidity Range:	0-95% RH
Construction:	Die-cast metal housing
Compatible Electrical Boxes:	Indoor: Sheet metal Model SGB-32S Outdoor: Weatherproof Die-cast Model SGB-32C
Shipping Weight:	1.12 lbs. (510 g)

SGB-32S INTERIOR SURFACE BACKBOX

Dimensions:	4.75 in. H x 3.25 in. W x 2.25 in. D
Construction:	Steel sheet metal.
Conduit:	Two knockouts for 1/2 in. conduit connectors, one on top and bottom.
Mounting:	Mounts to the box with (4) 8/32 screws, which ship with each box.

SGB-32C WEATHERPROOF SURFACE BACKBOX

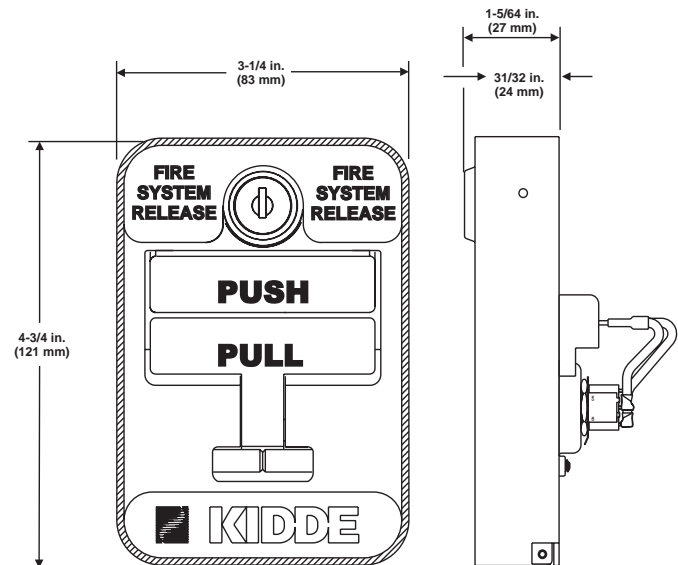
Dimensions:	4.75 in. H x 3.25 in. W x 2.25 in. D
Construction:	Cast aluminum.
Conduit:	One threaded opening for 1/2 in. conduit connector.
Mounting:	Mounts to the box with (4) 8/32 screws and a foam gasket, which ship with each box.

ORDERING INFORMATION

Part Number	Description
84-330001-001	Double Action Manual Pull Station with SPST Switch — ships with mounting hardware, 2 keys, 1 break rod, and label set.
84-330001-002	Double Action Manual Pull Station with DPST Switch — ships with mounting hardware, 2 keys, 1 break rod, and label set.
84-100009-001	SGB-32S Indoor Backbox
84-100009-002	SGB-32C Outdoor Waterproof Backbox
84-100008-002	Pkg. of (12) Breakrods
06-118013-001	Spare Key
06-231866-930	Label Set

DIMENSIONS

(shown with Fire System Release Label installed)



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 FM-200 is a registered trademark of the Greak Lakes Chemical Corporation.
 3M and Novec are trademarks of 3M.
 FE-13 is a trademark of DuPont.
 Lexan is a registered trademark of the General Electric Company.

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www.kiddefiresystems.com

Model 878752 Suppression System Abort Station For Canadian Applications



Effective: July 2014
K-84-12

FEATURES

- cULus Listed
- Flush or Surface Mount
- One Normally Open Contact
- Sized for Double Gang Box
- White Lettering on Blue Background
- Abort Station Becomes Addressable SLC Device with installation of one (1) Model AI Module, N.O.
- Meets requirements of ULC-S527-11

DESCRIPTION

The Kidde® Model 878752 Canadian Abort Station features a large, easy-to-operate abort push button. The momentary type switch is very easy to see due to its highly visible yellow color. The abort station faceplate is clearly labeled with operation procedures—eliminating indecision and hesitation. White raised lettering on a blue faceplate meets the requirements of ULC-S527-11 3rd edition.

The Backbox is painted with red enamel and is provided with four 1/2-inch knockouts. The pre-drilled and tapped mounting tabs allow for easy attachment of the abort station.

To make the Canadian Abort Station an addressable SLC device for use with Kidde Intelligent control units, one SmartOne® Model AI monitor module (purchased separately) must be installed into the backbox. The Model AI monitor module is seated inside a bracket (included) and easily installs with two mounting screws.

TECHNICAL SPECIFICATIONS

Electrical Ratings: One normally open momentary contact, rated 2.5 Amps @ 120 Vdc

Ambient Temperature: -13°F to 158°F (-25°C to 70°C)

Terminals: Captive screws and saddle clamps accept 14 AWG to 24 AWG wire

Mounting: Four 6-32 x 1/2-inch mounting screws included

ORDERING INFORMATION

Part Number	Description	Shipping Weight
84-878752-110	Abort Station, Canadian	2 lb. (0.9 kg)
06-236881-001	Backbox, Red	1 lb. (0.45 kg)
70-407008-001	Model AI Addressable Monitor Module, N.O. (includes bracket)	5 oz. (145 g)

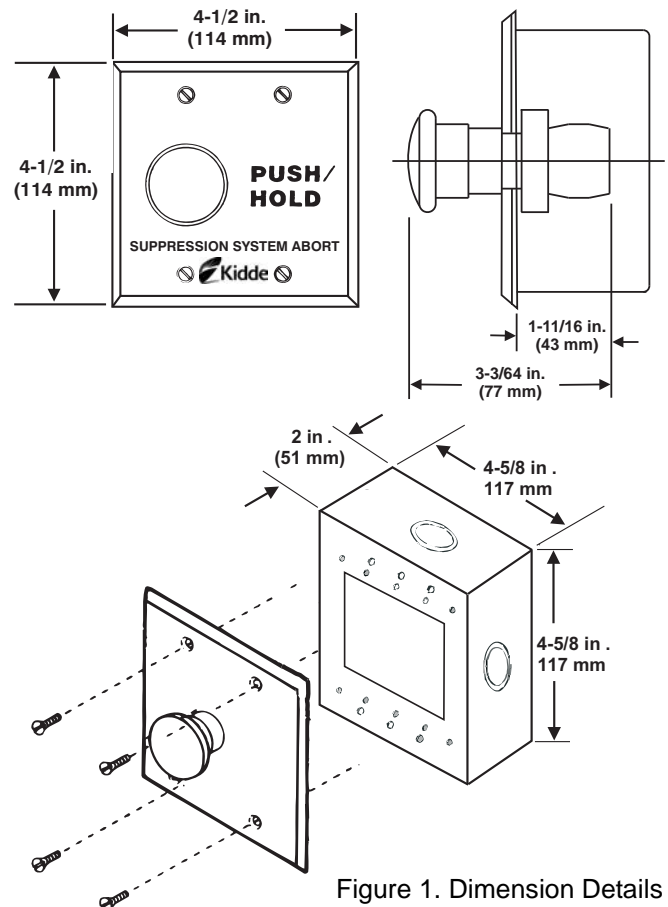


Figure 1. Dimension Details

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Key Maintenance Switch

FEATURES

- cFMus Approved to ANSI/UL 864, 9th edition, CANADA/ULC-S527 and ANSI/NFPA 72
- Stainless Steel Plate
- Status LED Indicators
- Surface or Flush Mount Installations
- Safely Disconnects Actuation Circuits by Shorting Metron Actuators
- Key Operated (Nonremovable When Operated)
- Four-Pole Double-Throw Switch
- Meets the Requirements of NFPA72 (2007 edition)

DESCRIPTION

This Key Maintenance Switch is a key-switch that disconnects actuation circuits in the system to prevent accidental discharge of fire suppression systems during maintenance operations.

The Key Maintenance Switch provides a means to short the Metron Actuator circuit leads for safe disconnection of conventional and addressable control units. Refer to the installation wiring diagram for detailed wiring connections.

- Two LEDs indicate "SYSTEM ARMED" or "SYSTEM INACTIVE" when the key is inserted and turned. The key can only be removed in the armed position.
- Key Maintenance Switch mounts to a 4-inch backbox and operates on 24 Vdc.
- Designed for mounting on the wall with a back box.
- Key Maintenance Switch can be installed in either surface mount or flush mount configurations.
- Key Maintenance Switch physically disconnects the release circuit wiring in addition to the trouble open signal, the switch provides a means to generate a supervisory condition.



ORDERING INFORMATION

Part Number	Description
76-600000-200	Key Maintenance Switch
06-236881-001	Backbox

ELECTRICAL

Switch:	4PDT Key Switch - one set of contacts control indicators on the faceplate. - Three remaining contacts are available for application wiring.
Device Current:	10 A @ 250 Vac 15 A @ 125 Vac 15 A @ up to 30 Vdc
Electrical Life:	50,000 cycles - maintained 25,000 cycles - momentary

ENVIRONMENTAL

Operating Temperature Range: 32 to 120°F (0 to 49°C)

MECHANICAL

Mechanical Life:	100,000 cycles
Switch Plate Construction:	Stainless Steel



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Kidde Engineered Fire Suppression System

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



Effective: June 2015

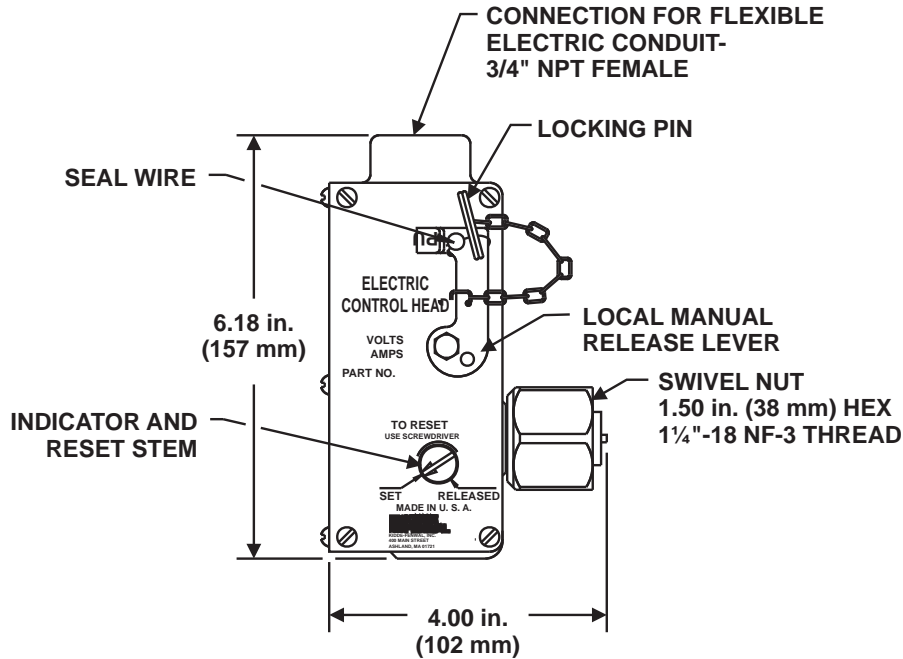
K-45-8010 Rev AC

Electric Control Head Data Sheet

FEATURES

- *UL Listed, ULC Listed, and FM Approved for use with Novec 1230 Systems*

P/N: 8901XX



Part Number	Voltage	
	890181	24 Vdc
890149	125 Vdc	0.3 Amps
890165	115 Vac	1.0 Amps



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Kidde Engineered Fire Suppression System

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



A UTC Fire & Security Company

Effective: March 2007

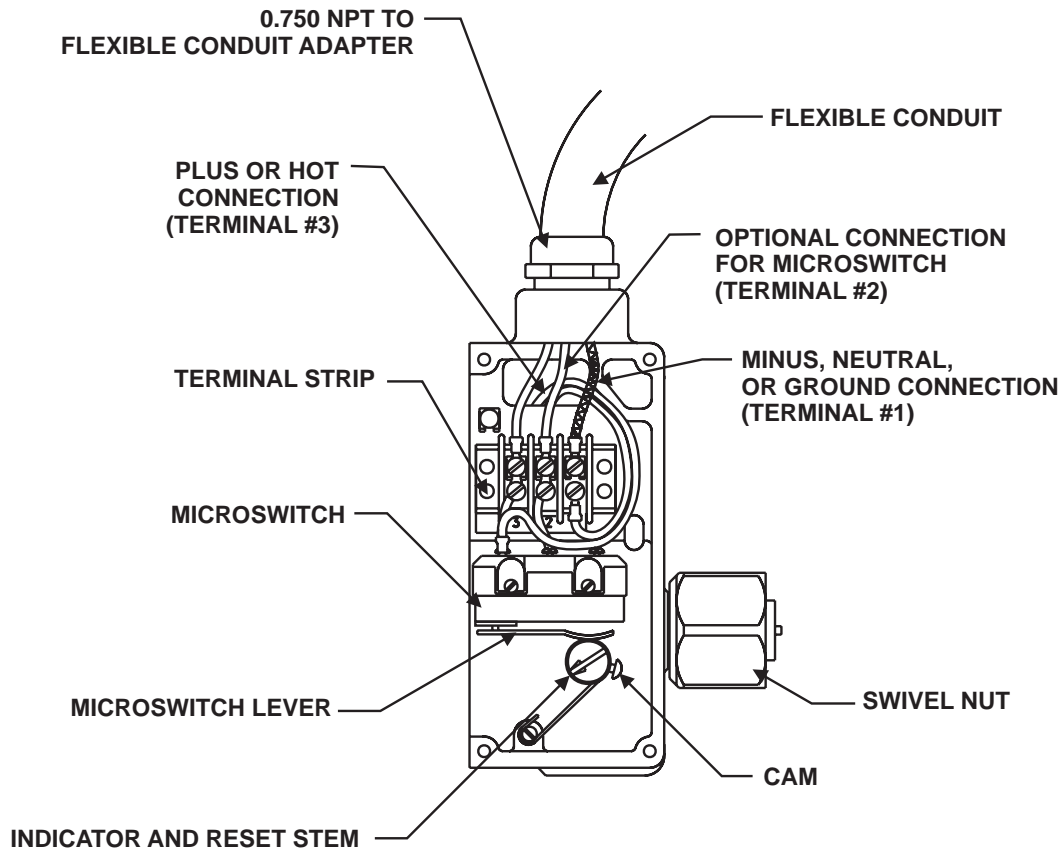
K-45-6011

Electric Control Head Data Sheet

FEATURES

- For Use with UL Listed, ULC Listed, and FM Approved Systems

P/N: 8901XX



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Component Description

Control Head Monitor
(Explosion Proof Assembly)
P/N 85-100000-100

Effective: November 2015
K-85-3000 Rev AA

FEATURES

- *UL Listed, ULC Listed, and FM Approved for use with systems listed in the Compatibility table.*
- *REACH and RoHS compliant*

The Control Head Monitor (CHM) with explosion proof assembly provides supervision for control head placement in normal and explosive environments in one easy to install component.

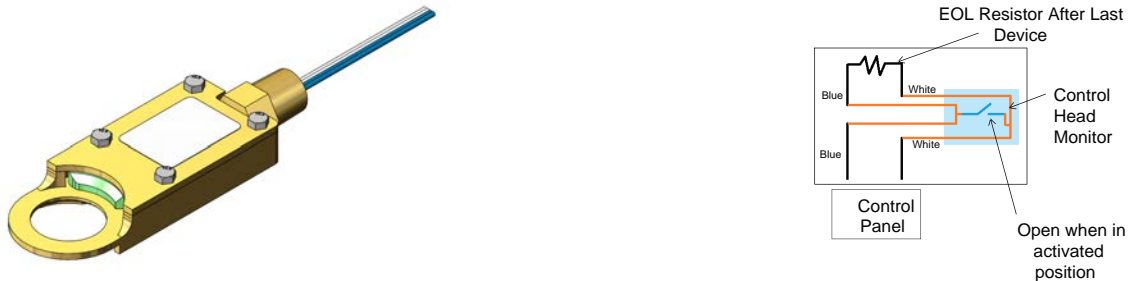


Figure 1. Control Head Monitor with Explosion Proof Assembly

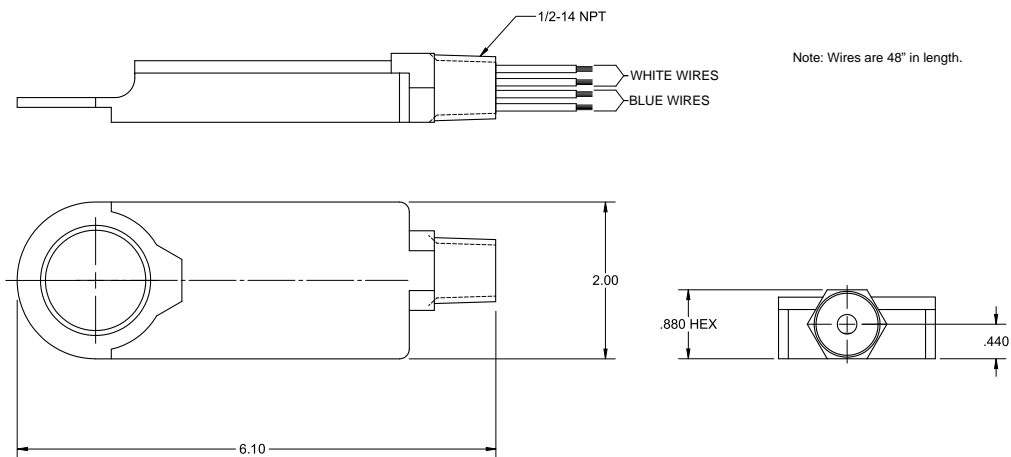


Figure 2. Control Head Monitor Dimensions

This CHM can be placed between the discharge valve and an electric or electric/cable operated control heads for retrofitting the existing system:



For US and Canada explosive proof installations, seal all conduits within 18 inches from the end of the component.

MATERIAL

Body and Trigger: Brass

Weight: 1.7 lbs.

ORDER INFORMATION

Part Number	Description
85-100000-100	Control Head Monitor
85-100000-002	Spacer, required when installing Control Head Monitor on to Stackable Pressure Operated Control Head (P/N 82-878750-000)

COMPATIBILITY

Series	For Use With	DIOM P/N	Supplement P/N
Kidde ECS with HFC-227ea Agent	X	06-236115-001	06-236115-003
Kidde Modular ECS with HFC-227ea Agent	X	06-236116-001	06-236116-002
Kidde ADS with FM-200™ Agent	X	06-236068-001	06-236068-003
Kidde ECS with 3M™ Novec™ 1230 Fire Protection Fluid	X	06-236553-001	06-236553-004
Kidde ADS with 3M Novec 1230 Fire Protection Fluid	X	06-237256-001	06-237256-005
Kidde FE-13™ Engineered Suppression System	X	06-236169-002	06-236169-003

Note: Agency listings also apply the Fenwal Engineered Fire Suppression Systems, when the Control Head Monitor is used on these legacy product lines.

Standards for US Approval

Number	Issue Date
FM 3600	2011
FM 3615	2006
FM 3616	2011
FM 3810	2005
ANSI/ISA 60079-0	2013
ANSI/ISA 60079-1	2013
ANSI/ISA 60079-31	2013

US Hazardous Location Markings:

- Class I, Div 1, Groups CD
- Class I, Zone 1, AEx d IIB T6
- Class II, III, Div 1, Groups EFG
- Zone 21, AEx tb IIIC T85°C
- Ta = -40°C to 60°C

Standards for Canadian Approval

Number	Issue Date
CSA C22.2 NO. 0.4	2013
CSA C22.2 NO. 0.5	2012
CSA C22.2 NO. 25	2014
CSA C22.2 NO. 30	2012
61010-1	2012
CAN/CSA 60079-0	2011
CAN/CSA 60079-1	2011

Canada Hazardous Location Markings:

- Class I, Div 1, Groups CD
- Class I, Zone 1, Ex d IIB T6
- Class II, III, Div 1, Groups EFG
- Zone 21, Ex tb IIIC T85°C
- Ta = -40°C to 60°C

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Kidde Engineered Fire Suppression System

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



Effective: July 2013
K-45-9047

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

FEATURES

- **Both Normally Open and Normally Closed Configuration with One Unit**
- **Suitable for 10 lb. through 900 lb. Kidde Engineered Systems**
- **UL Listed**
- **FM Approved**
- **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.

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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 functionality. 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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