

Kidde Fire Systems HPCO₂ Component Description



Supervisory Pressure Switch, 1350PSI Falling

Effective: July 2024
K-81-5514 Rev AB

FEATURES

- Underwriters' Laboratories Listed - File Number EX923
- FM Approved, Standard 5420
- NFPA 12 Compliant
- 1800-psi Nitrogen Service
- Nominal 1350-psi set point
- Form C Style Switch
- 1/4" internal thread flared inlet

DESCRIPTION

The supervisory pressure switch detects a fall in pressure within a Kidde Fire Systems nitrogen pilot cylinder, when provided as a component within a Kidde Fire Systems High Pressure or Low Pressure Carbon Dioxide Suppression System. The cylinder supervisory pressure switch can be wired for either normally open or normally closed operation, depending on installation requirements. Installers field fit the switch onto the compatible nitrogen pilot cylinder. This switch also provides supervision performance backwards compatibility when replacing a legacy nitrogen pilot cylinder that had been factory fitted with the legacy supervisory switch.

ELECTRICAL RATING

The switch has the following electrical rating:

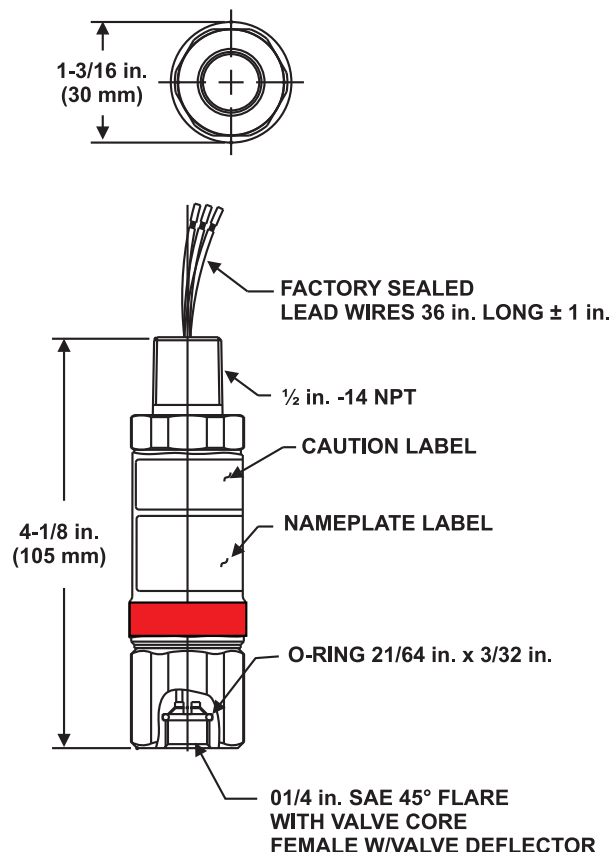
- 5A @ 125/250 VAC, 5A Resistive and 3A Inductive @ 30 VDC

REFERENCED COMPONENTS

Description	Reference Data Sheet
Nitrogen Pilot Cylinder, 108-cuin	K-85-5051
Nitrogen Pilot Cylinder, 1040/2300-cuin	K-85-0201
Legacy Nitrogen Pilot Cylinder, 108-cuin	K-81-5051

ORDERING INFORMATION

Description	Part Number	Color Band
Supervisory Pressure Switch (Form C 1350-psig falling) for N2 Cylinders	81-111350-001	Red



SPECIFICATIONS

Wire Color	Service	AWG	Length (in.)
Blue	Normally Open	18	48
Black	Normally Closed		
Violet	Common		

EXPORT INFORMATION (USA)

Jurisdiction: EAR
Classification: EAR99
This document contains technical data subject to the EAR.

All trademarks are the property of their respective owners.

©2023 Kidde-Fenwal, Inc.

This literature is provided for informational purposes only. KIDDE-FENWAL, INC. believes this data to be accurate, but it is published and presented without any guarantee or warranty whatsoever. KIDDE-FENWAL, INC. assumes no responsibility for the product's suitability for a particular application. The fire suppression system design, installation, maintenance, service and troubleshooting must be performed by trained, authorized Kidde Fire Systems distributors for the product to work correctly. If you need more information on this product, or if you have a particular problem or question, contact KIDDE-FENWAL, INC., Ashland, MA 01721 USA. Telephone: (508) 881-2000.

Kidde Fire Systems
400 Main Street
Ashland, MA 01721
Ph: 508.881.2000
Fax: 508.881.8920
kiddefiresystems.com