

Bulletin

#08-42K

Date: July 15, 2008

To: All Kidde Fire Systems Distributors

From: Mike Yakine, Product Manager, Detection & Control

Subject: New Suppression Key Maintenance Switch

New Product Release!

As standards change, and our customers' needs adapt, we at Kidde Fire Systems want to keep up. Our ongoing improvements to the Detection & Control product lines are testimony to our constant efforts to listen and respond to these needs.

According to the latest edition of the NFPA 72-2007 standard: "Fire Alarm Control Units used for fire suppression-releasing service shall be provided with a disconnect switch to allow the system to be tested without actuating the fire suppression. In addition, operation of a disconnect switch or a disable function shall also cause a supervisory signal at the fire alarm control unit."

Kidde Fire Systems announces the release of the new Suppression Key Maintenance Switch. This new switch is fully compliant with the requirements of the NFPA72-2007 standard. Designed for use with both conventional and intelligent control units, the new switch safely disconnects the actuation circuits in the system to prevent accidental discharge during maintenance operation. When activated, the Switch can be wired to generate a supervisory signal via one of its four pole relay contacts, in addition to the trouble signal caused by the wiring disconnect.

Features and Benefits:



The Maintenance Switch features several advantages, including the following:

- Status LED Indicators
- Surface or Flush Mount Installations
- Safely Disconnects Actuation Circuits by Shorting Initiators
- Keyed Operation
- Four Poles Double Throw (4PDT) Switch

Please refer to the attached data sheet for more detailed information.

The individual components of the Maintenance Switch (i.e. LED's, switch block, and stainless steel plate) are all currently UL listed, and a submittal has been made to UL to list the complete assembly to UL 864 9th Edition.

Price & Ordering Information:

For pricing information, please visit the distributor secured "Extranet" to download the latest Detection & Control price list.

Part No.	Description
76-600000-200	Suppression Key Maintenance Switch (Backbox 06-236881-001 required for surface- mount installation)
06-236881-001	Key Maintenance Switch Backbox

Availability:

Key Maintenance Switches and Backboxes are available for immediate order and delivery.

Technical Aid:

In addition to the attached data sheet, a detailed Installation Instruction Sheet is available for download from our secure website.

Please forward this announcement to your sales and engineering personnel for their review of this new-product's features. If you have any questions or need additional information, please feel free to contact your Regional Sales Manager or the Marketing department in Ashland.

As always, we sincerely appreciate your business and thank you for your continued support.

Key Maintenance Switch



A UTC Fire & Security Company

Effective: June 2008
K-76-606

FEATURES

- Stainless Steel Plate
- Status LED Indicators
- Surface or Flush Mount Installations
- Safely Disconnects Actuation Circuits by Shorting Initiators
- Key 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 initiator 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: 0 to 150°F (-18 to 66°C)

MECHANICAL

Mechanical Life:	100,000 cycles
Switch Plate Construction:	Stainless Steel
Shipping Weight:	8-1/2 oz. (241 g)

This literature is provided for informational purposes only. KIDDE-FENWAL, INC. assumes no responsibility for the product's suitability for a particular application. The product must be properly applied 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. Telephone: (508) 881-2000.

Kidde Fire Systems
A UTC Fire & Security Company
400 Main Street
Ashland, MA 01721
Ph: 508.881.2000
Fax: 508.881.8920
www.kiddefiresystems.com

Surface Backbox

(2 Gang/4-inch Square)

FEATURES

- 1/2-inch and 3/4-inch EMT Knockouts on All Four Sides and the Back
- 18 Gauge Steel
- Appliance/Device Mounting Holes
- Universal Mounting Pattern

DESCRIPTION

The Kidde Surface Mount Backbox is the ideal solution for devices that require a professional surface installation. Each Backbox has a solid surface area with predrilled and tapped hole configurations to mount the devices.

The Backbox is painted with red enamel and is provided with five 1/2-inch and 3/4-inch knockouts strategically located. The Backbox comes with a green ground screw and is easily accessible.

TECHNICAL SPECIFICATIONS

Material:	18 gauge steel (.048 thick)
Dimensions:	4-5/8-inch H x 4-5/8-inch W x 2-inch D (117 mm H x 117 mm W x 51 mm D)

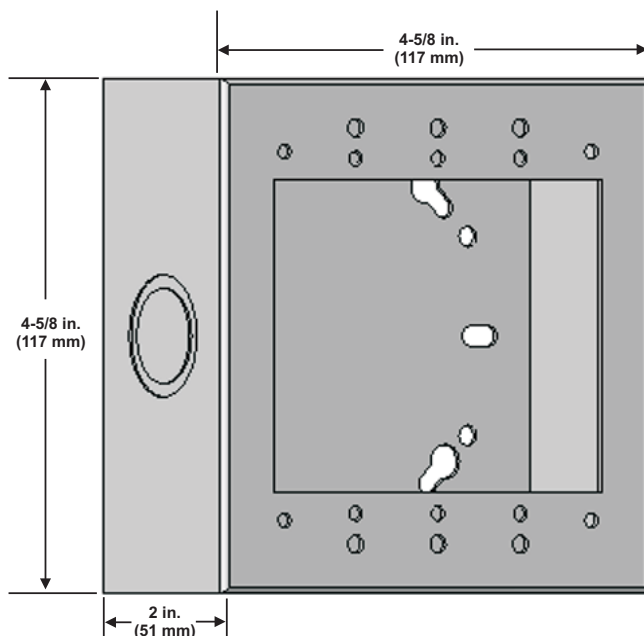


Figure 1. Dimension Details

ORDERING INFORMATION

Part Number	Description	Shipping Weight
06-236881-001	Surface Mount Backbox	14 oz. (397 g)

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