

MS-2049F

MAGNETIC SWITCH

FOR MORTISE INSTALLATION



Function and Operation

These mortised switches are designed primarily to serve as sensing devices to detect the opening of a door or window; to assure that a protected door is securely under surveillance; to serve as a trigger for a wall-mounted Detex Exit Alarm; to signal that a door has been inadvertently left open; and to be used as a direct switch to set off many kinds of audio and visual alarms.

Applications

In overhead mounting (the preferred method), the switch contacts are housed in the door frame, separate from the actuating magnet which is mortised into the top edge of the door. Latch-stile mounting is also acceptable.

General Use

This switch will give full life expectancy when used as a trigger for Detex Exit Alarms.

For general use, other than above, involving power transmission (or heavy inductive/capacitive loads), the switch should control a relay device rather than be connected directly to the load.

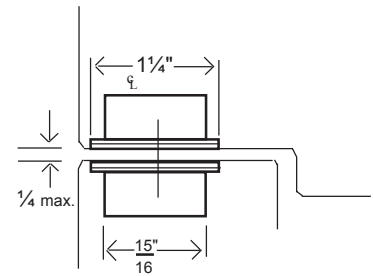
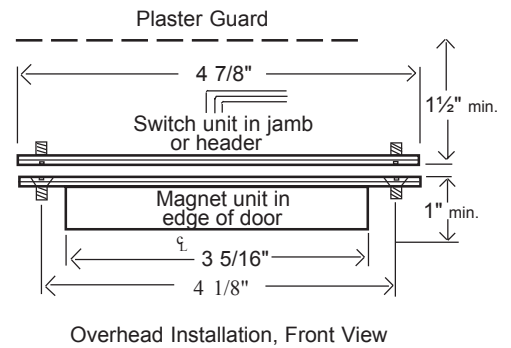
Installation

Due to its magnetic circuit design, this switch is safe against false signals caused by slight misalignment of switch-and-magnet installation. Unit will go into its surveillance mode when within 1/4" of full door closure and will switch mode when opening of door moves magnet less than 1".

Units install face to face on the same center line. Gap of up to 1/4" between faces acceptable. Misalignment of centerlines up to 1/8" in any direction acceptable. May be mounted in stiles as narrow as 1 3/8".

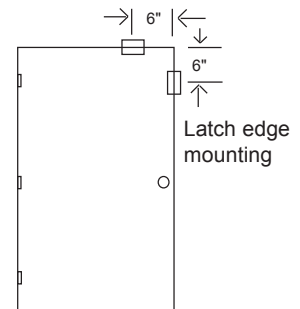
For complete instructions on overhead or latch-edge installation, see instruction sheet INS-2049F/PM.

Shipped with set of four #8-32 flat head mounting screws.



Overhead Installation, Side View

Overhead mounting (preferred)



Life Safety,
Security and
Security Assurance

ARCHITECTURAL
HARDWARE

LOSS PREVENTION
PRODUCTS

ACCESS
CONTROL

SYSTEM
ENHANCEMENTS

INTEGRATED DOOR
SECURITY SYSTEMS

GUARD TOUR
VERIFICATION

Where Trust is Built™

DETEX®

Loss Prevention Products

Features

- Mortise installation - physically inaccessible while door is closed
- Installs in ANSI* -sized cut-out in both door edge and jamb
- Potted components assure protection against shock and moisture
- Wide range of alarm and signal applications
- Life expectancy of reed switches rated by manufacturer for over one million operations, under resistive load
- Concealed wiring with color coded, 12" long leads
- Minimizes false signals caused by loosely closed doors
- For use on steel, aluminum, or wood doors and frames
- Make-and/or-break circuit applications - Form "C" switch

* American National Standards Institute

Electrical Specifications

(Not intended for use in any system employing more than 24 volts)

MAXIMUM CONTACT RATINGS
24 Volts at .5 amp

SWITCH
Single pole, double throw
(SPDT)



"U.L. listed Miscellaneous Fire Door Accessories"
"U.L. listed Door Position Switch"

Physical Specifications

(Physical dimensions of magnet unit and switch are identical)

FACE PLATE: 4 7/8" L x 1 1/4" W x 1/16" T

SWITCH BODY: 3 5/16" L x 15/16" W x 3/4" D

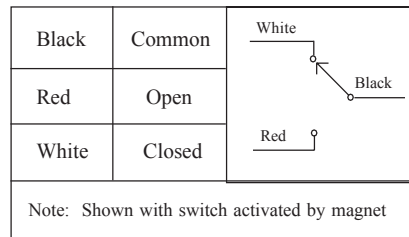
SHIPPING WEIGHT: 1 lb.

Materials

Body: Zinc (die cast)
Face Plate: Anodized Aluminum (brushed and clear)

Wiring

Leads, 12" long
Color Coded
Concealed



What to Specify

1. Model No. MS-2049F
2. Quantity

Detex Limited Warranty

Comes with Detex's three-year limited warranty. The Magnetic Switch is warranted to be free of defects in material and workmanship when properly installed, used and maintained according to instructions. We will, for a period of three years from the date of purchase, repair or replace any part which, upon our examination, proves to be defective under normal use. This does not apply to batteries or to damage from battery leakage. This warranty will be honored only upon presentation of proof that the product covered thereby was purchased directly from an authorized Detex Distributor. WE SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE FAILURE OF THIS DEVICE.

Where Trust is Built™
DETEX®
Loss Prevention Products

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