MAGNASPHERE MSS-300S-FIRE SERIES INSTALLATION INSTRUCTIONS: All Models of MSS-300S-FIRE Series

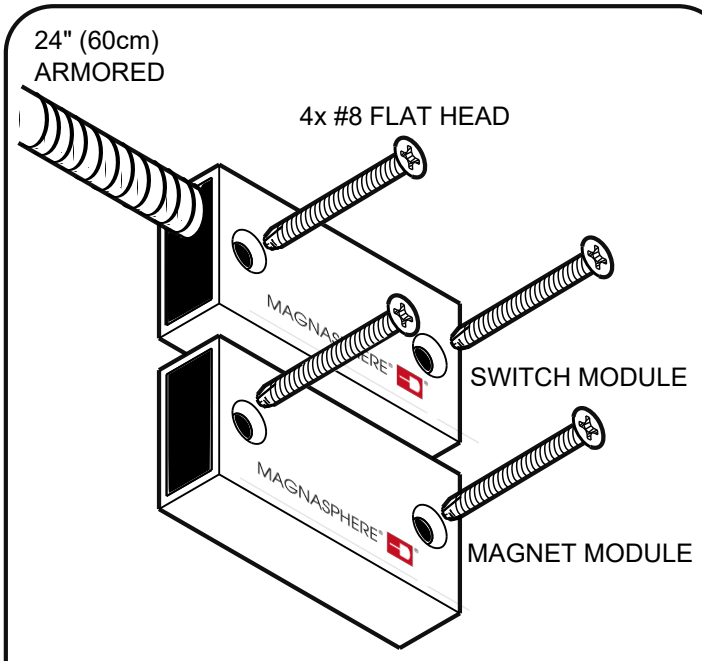
Required Tools and Components

Provided by Manufacturer (per module set)

1 MSS-3XXS switch module
1 MSS-3XXS magnet module

Provided by Installer

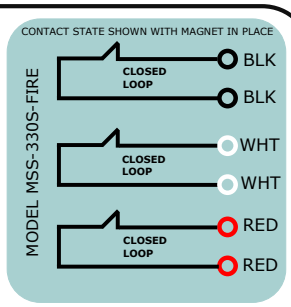
Power drill
#29 (.136") or 3.5mm Drill Bit
4 #8 (x7/8" MIN) Flat Head Screws

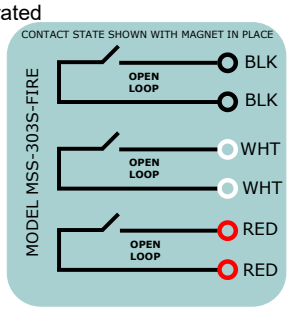


Specifications

Max Current: 0.25 A Resistive
Max Voltage: 30 VDC
Max Power: .25 W Resistive

Suitable for **Indoor and Outdoor** use, for U.S. and Canadian applications. The Magnasphere MSS-3XXS-FIRE series is intended to be connected to a UL Listed compatible control panel for US applications and a ULC Listed compatible control panel for Canadian applications. UL Classified Miscellaneous Fire Door Accessory:.ANSI/UL 10C Listed, 3 hour rated





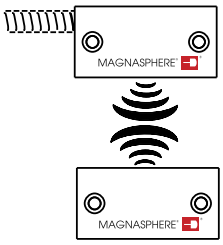
NOMENCLATURE

MSS - 3 X X S-[‡]

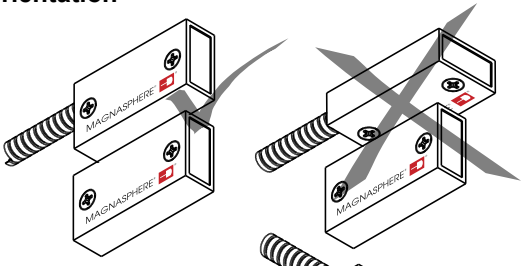
- 3: Surface mount
- X: # of closed loops
- X: Triple loop capacity
- S: # of open loops

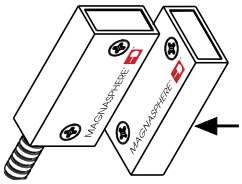
‡ See p.2 for optional embedded resistor schemes

Installation Plan & Switch Orientation

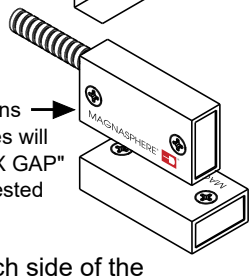


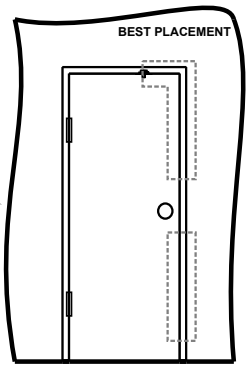
Note:
Modules are sensitive in one direction. Logos indicate the proper orientation as illustrated.

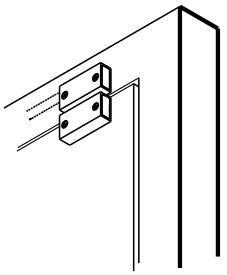


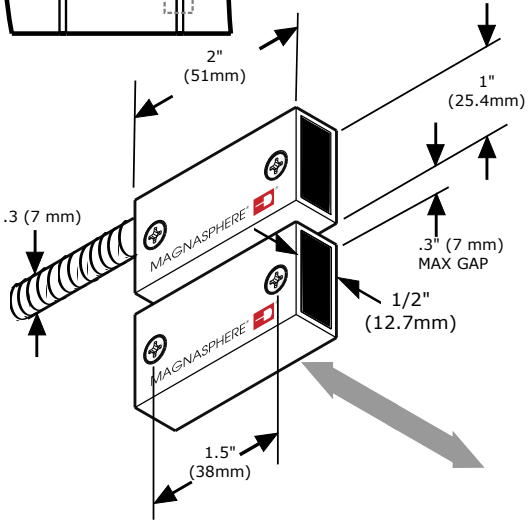


Note:
These orientations between modules will reduce the "MAX GAP" and should be tested for function.









Installation:

The MSS-3xxS-FIRE should be mounted toward the latch side of the door for optimal performance. In order to meet UL 681 requirements, contact shall be installed so door cannot be opened more than 2 inches without causing an alarm. Intended for operating gaps of up to 5/16" (8mm). Ensure that the modules are well aligned. When synchronous switching of the contacts is important, position modules to operate as depicted.

Hold the switch module in position and drill one pilot hole; drive the #8 screw in until the module is seated. Repeat for the second hole. Repeat these steps for the magnet module to ensure accurate positioning.

Wire the switch according to the schematic. Check the operation of the installed switch.

Patents #6803845, #6603378, #6506987, #9704680 #9934921 & Patents Pending

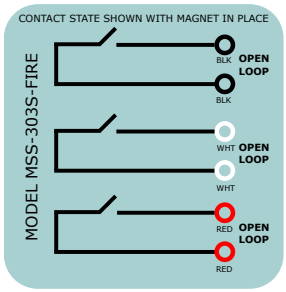
MAY 2019 MSS-300S-FIRE INST

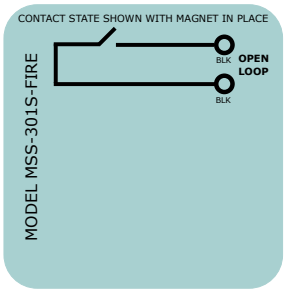
MAGNASPHERE®

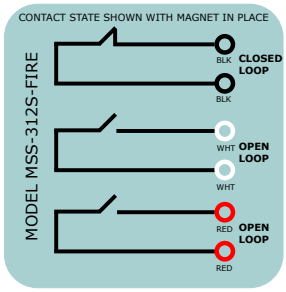
MAGNASPHERE CORP N22 W22931 Nancys Ct #3 Waukesha, WI 53186 tel 262.347.0711 fax 262.347.0710 www.magnasphere.com

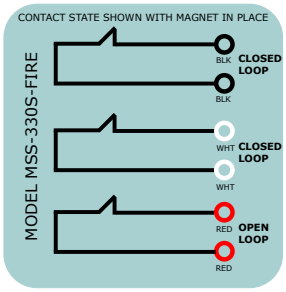
MAGNASPHERE MSS-300S-FIRE SERIES INSTALLATION INSTRUCTIONS:
Base Models and Resistor-Embedded Models of MSS-300S-FIRE Series

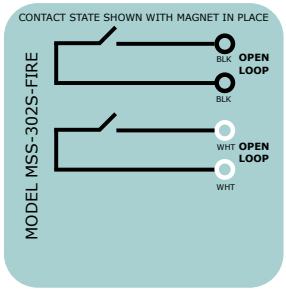
Schematics: All Base Model Infixes

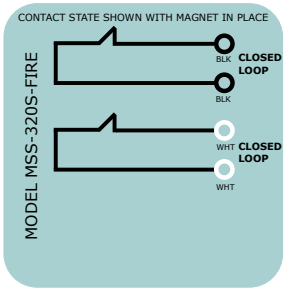


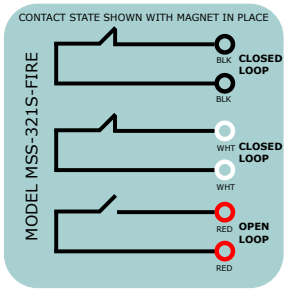


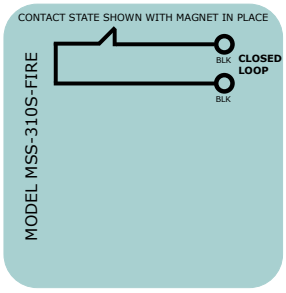


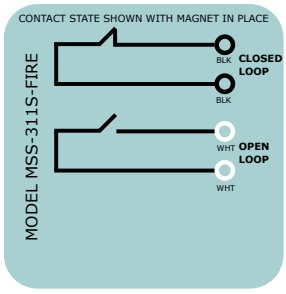




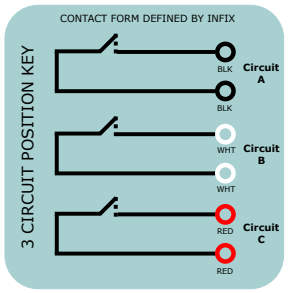


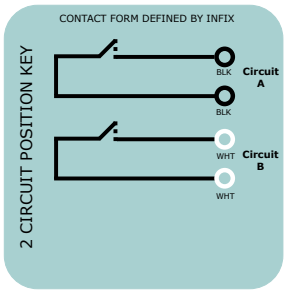


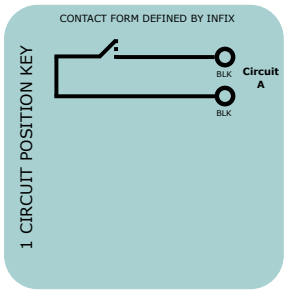


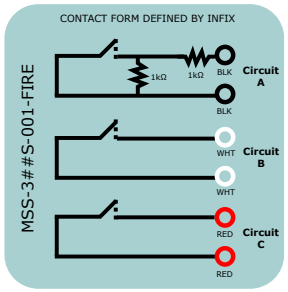


End-Of-Line Resistor Standard Models (-### suffix)

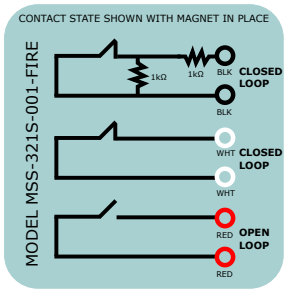


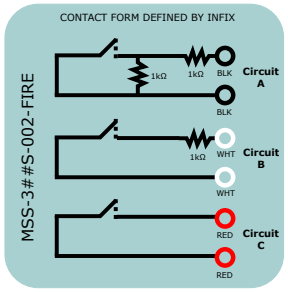




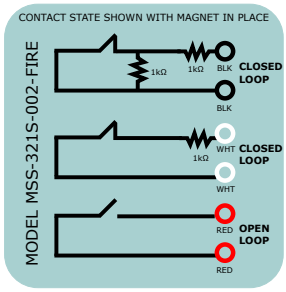


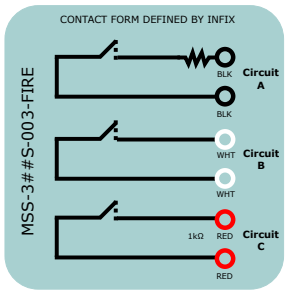
MSS-3##S-001-FIRE: Series & Parallel 1k resistors on circuit A. One instance shown at right:



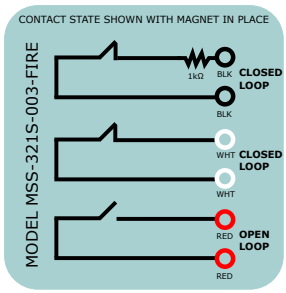


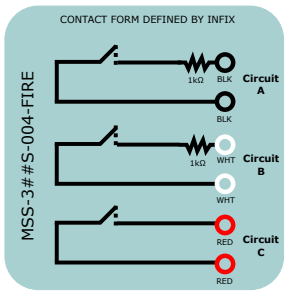
MSS-3##S-002-FIRE: Series & Parallel 1k resistors on circuit A, Series 1k resistor on Circuit B. One instance shown at right:



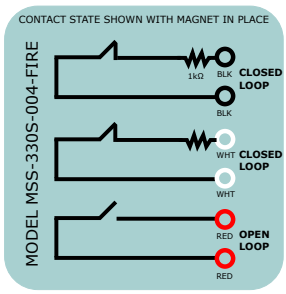


MSS-3##S-003-FIRE: Series 1k resistor on Circuit A. One instance shown at right:



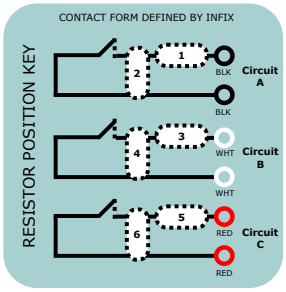


MSS-3##S-004-FIRE: Series 1k resistor on Circuit A and on Circuit B. One instance shown at right:



End-Of-Line Resistor Custom Models (-i#-#-#-#-#-FIRE suffix)

i#-#-#-#-#-FIRE Scheme:
"-i" precedes custom resistor (kΩ) values separated by hyphens. The sequence of entries correlates to the positions depicted in the key. "N" is used as a null place-holder (No resistor for this position). Contact Magnasphere for nomenclature guidance and for resistor value availability.



Examples:
MSS-321S -i.18-.3-1-N-N-1-FIRE
At right.
MSS-330S -i1-N-1-N-N-N-FIRE as an alternate ID to MSS-330S-004 -FIRE, last to the right.