

**MAGNASPHERE MSS-200C SERIES INSTALLATION INSTRUCTIONS: All  
Models of MSS-200C and MSS-200C-FIRE-Series**

P1

**Required Tools and Components**

**Provided by Manufacturer (per module set)**

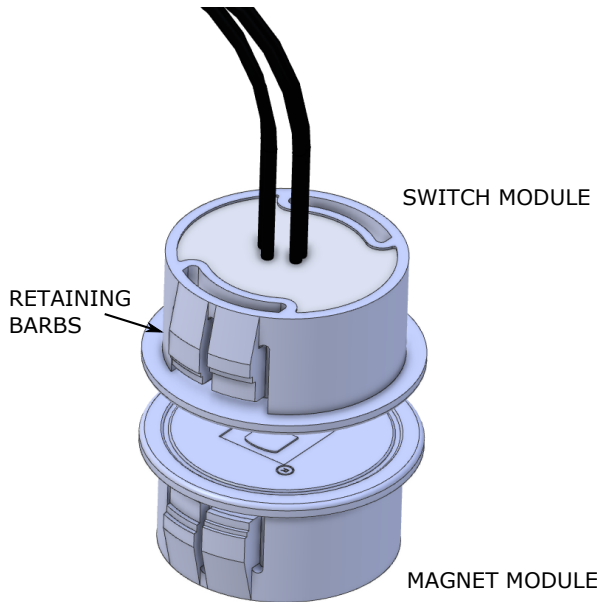
1 MSS-2XXC switch module

1 MSS-2XXC magnet module

**Provided by Installer**

Power drill

3/4" [19mm] Bit/s\*



**Specifications**

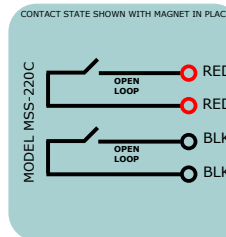
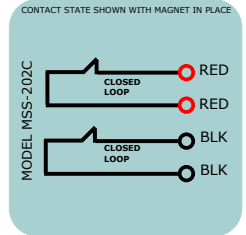
**Max Current:** 0.25 A Resistive

**Max Voltage:** 30 VDC

**Max Power:** .25 W Resistive

The Magnasphere MSS-2XXC & -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**

Concealed mount

# of open loops

MSS - 2 X X C -[‡]

Double loop capacity

# of closed loops

‡ See p.2 for optional embedded resistor schemes

**Installation:**

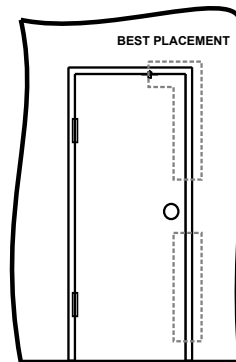
The MSS-2XXC should be mounted close to the latch side of the door for optimal performance; Up to 15" (38cm) from the doorknob/door-latch edge is recommended in order to meet UL 681 requirements: contact shall be installed so door cannot be opened more than 2 inches [51mm] without causing an alarm. Intended for operating gaps of up to 5/16" [7.9mm]. Ensure that the modules are well aligned. In-frame minimum depth clearance should be 1/2" (12.7mm).

Suitable for outdoor and indoor use, U.S. and Canadian applications.

\* Recommended bits: For metal environments, unibits or high quality hole-saws; for wood, Forstner bits (smooth-finish wood-boring drills). Before drilling, a careful layout of the site is recommended in order to achieve module alignment.

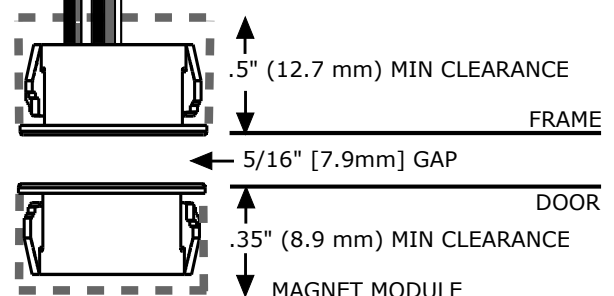
Metal burrs from drilling can prevent the retaining barbs of the modules from deploying; remove any troublesome burrs. Wire the switch according to the schematic.

Insert the switch module into the hole in the frame. Insert the magnet module into the hole in the door. Check the operation of the installed switch.



22 AWG x 12" [305mm], 6 MAX

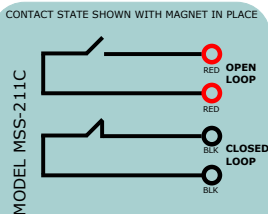
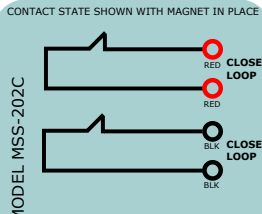
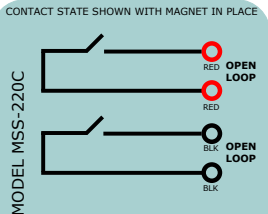
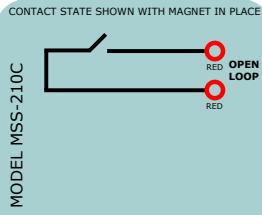
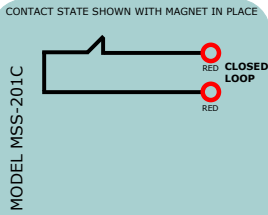
SWITCH MODULE



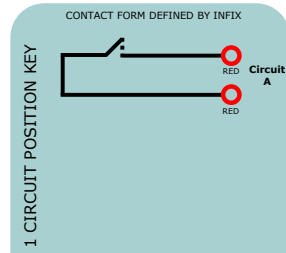
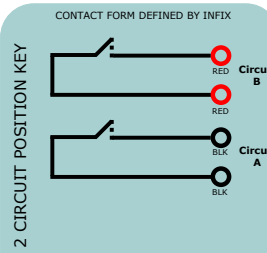
# MAGNASPHERE MSS-200C SERIES INSTALLATION INSTRUCTIONS: Base Models and Resistor-Embedded Models of MSS-200C and MSS-200C-FIRE Series

P2

## Schematics: All Base Model Infixes

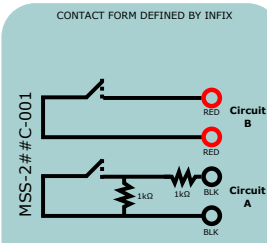
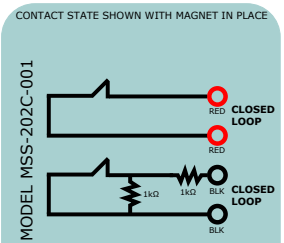


## End-Of-Line Resistor Standard Models ( -### suffix)



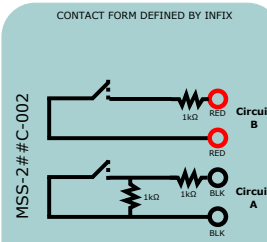
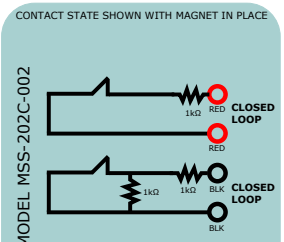
### MSS-2##C-001:

Series & Parallel 1k resistors on circuit A. One instance shown at right:



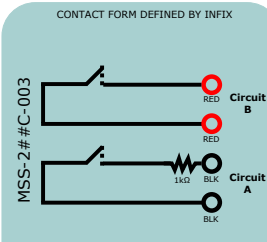
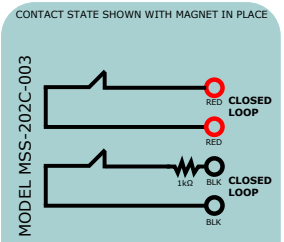
### MSS-2##C-002:

Series & Parallel 1k resistors on circuit A, Series 1k resistor on Circuit B. One instance shown at right:



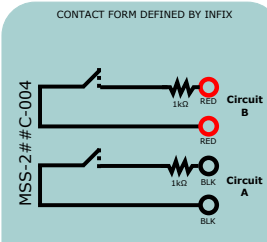
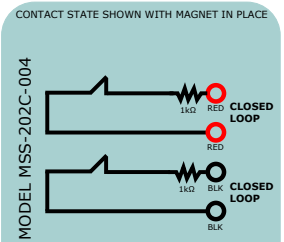
### MSS-2##C-003:

Series 1k resistor on Circuit A. One instance shown at right:



### MSS-2##C-004:

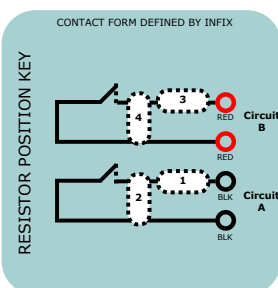
Series 1k resistor on Circuit A and on Circuit B. One instance shown at right:



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

### i#-### 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-202C

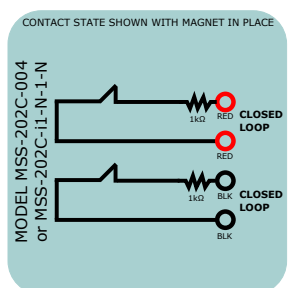
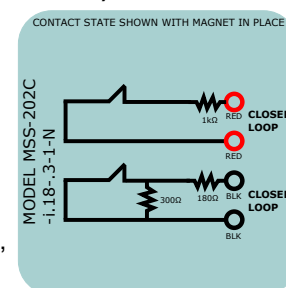
-i.18-3-1-N

At right.

MSS-202C

-i1-N-1-N

as an alternate ID to MSS-202C-004, last to the right.



Products may also be marked having "-FIRE" as a suffix though all models are classified/listed and marked as (UL10c) fire door accessories.