

MAGNASPHERE MSS -XXS & -K SERIES INSTALLATION INSTRUCTIONS: SPDT Surface Mount Contacts

Required Tools and Components

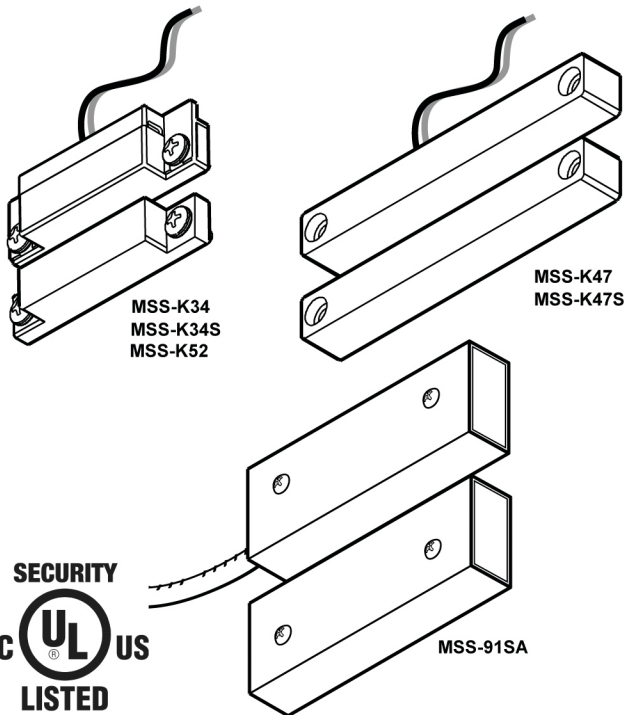
Provided by Manufacturer (per module set)

1 MSS switch module
1 MSS magnet module

Provided by Installer

Hand Tools
Circuit Tester

MSS -XXS, -K (SPDT)



Specifications

Max Current: 0.25 A Resistive

Max Voltage: 30 VDC

Max Power: .25 W Resistive

The Magnasphere MSS-Concealed 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.

NOMENCLATURE GUIDE

Surface Mount

MSS - # # S X

Size Class

12" Wire Leads (default, if blank),
Terminals, 18" Armored Leads

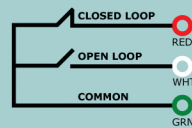
or

MSS - K # # X

K = See Specification for

this distinct model

CONTACT STATE SHOWN WITH MAGNET IN PLACE



Model	Max Gap	Length	Width	Height	Conductor
MSS-K34	.375	2.50	.50	.50	T
MSS-K34S	.375	2.50	.50	.50	J
MSS-K47	.375	4.00	.50	.50	T
MSS-K47S	.375	4.00	.50	.50	J
MSS-K52	.375	2.50	.50	.50	T
MSS-91SA	.25	3.50	1.25	.63	A

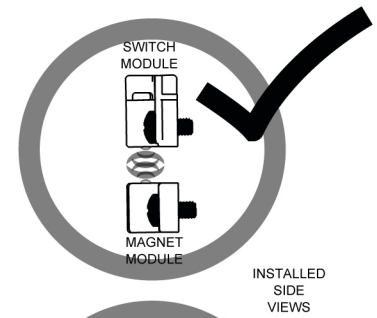
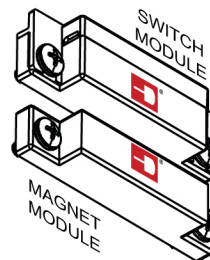
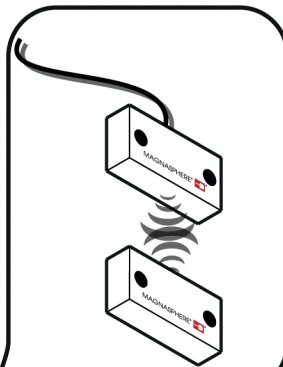
Conductor/Connection Key: L = 12" Leads, J = 12" Leads with Jacket, T = Screw Terminals, A = 18" Armored Leads

Installation Plan & Switch Orientation

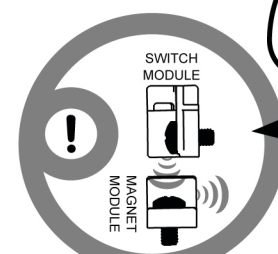
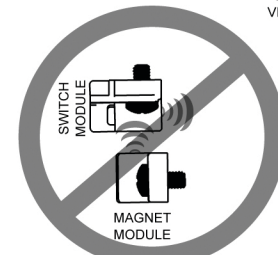
The MSS -XXS/-K should be mounted close to the latch side of the door for optimal performance; Up to 15" (38cm) from the doorknob/door-latch edge is recommended in order to meet UL 681 requirements: contact shall be installed so door cannot be opened more than 2 inches without causing an alarm. See table for operating gaps. Ensure that the modules are well aligned. Before drilling, a careful layout of the site is recommended in order to achieve module alignment and secure routing of wires. Magnasphere uses rare-earth magnet materials which do not require isolation from steel surfaces. (Spacers may be needed only for alignment.)

Test and wire the switch. Magnasphere contacts have a directional, restricted sense zone for enhanced security. Check that the installation is properly oriented, bringing the magnet to rest within the contact's secure sense zone.

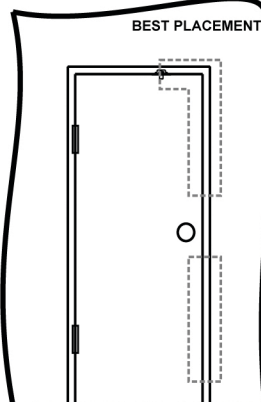
Fasten the switch modules to the frame and door. Test the operation of the installed switch.



INSTALLED
SIDE
VIEWS



Reduced
MAX GAP:
test for
function.



Models with "-RS#", "-RP#", or "-RS#P#" suffix have embedded End Of Line resistor/s of # value in kilo-Ohms.

Patents #5673021, #RE39731, #6506897, #6803845, #6603378 & patents pending

02-2016-MSS-XXS-SPDT-INST REV6

MAGNASPHERE®

MAGNASPHERE N14 W23777 Stone Ridge Dr. Suite 160 Waukesha, WI 53188 tel 262.347.0711 fax 262.347.0710 www.magnasphere.com