POTTER
The Symbol of Protection

HSC-1 • HSC-2
HSC-TP-1 • HSC-TS-1
HIGH SECURITY CONTACT SWITCHES

UL and ULC Listed

Dimensions: 4 5/16" W x 1" H x 29/32" D

Switch Contact Rating:
100 VDC max. switching voltage
250 mA max. switching current
3 Watts max. power rating

Warning: Each electrical rating is an individual maximum and must not be exceeded. (Example: 250 mA at 12VDC, 60mA at 50VDC, 30mA at 100VDC)

Tamper Contact Rating:
100 VDC max. switching voltage
250 mA max. switching current
3 Watts max. power rating

Warning: Each electrical rating is an individual maximum and must not be exceeded. (Example: 250 mA at 12VDC, 60mA at 50VDC, 30mA at 100VDC)

Ambient Temperature Range:
-31° to 151°F (-35° to 66°C)

Optional Accessory: (L) Bracket-HSC Mounting

GENERAL DESCRIPTION

The model HSC is a High Security Contact switch to monitor the open or closed position of safe and vault doors. The switch includes design features, which makes it highly defeat resistant in critical environments.

FEATURES

- Triple-biased, SPDT (Form C) reed alarm switches in the switch unit with a magnet array in the magnet unit, makes the defeat of the switch with an external magnet virtually impossible.
- DPDT Model HSC-2 has two separate triple-biased SPDT (Form C) reed alarm circuits in the switch unit, which may be used in place of two separate switch units.
- Magnetic field tamper output added to further resist defeat with an external magnet or magnet array assembly.
- Hidden pry tamper, SPST (Form A) alarm switch output.
- Remote test option available. (Models HSC-1-TS and HSC-1-TP)
- For indoor / outdoor use.
- Lead type-8 foot flexible stainless steel armored cable.
- Narrow housing allows for mounting on narrow door frames
- Grey powdercoat aluminum housings with protective end caps.

OPERATION

The following operating features and conditions exist with the switch and magnet units in its secured condition (positioned, mounted, and wired correctly):

- Triple Biased Switch Operation - The three biased switches will be in the closed position when the switch is in its secured condition. Opening of the door or removal of the switch unit or magnet unit will cause an alarm condition.
- Pry Tamper Operation - The pry tamper switch will be in the closed position when the switch is in its secured condition (depressed by tamper screw). Removal of the switch unit from the mounting surface will cause a tamper alarm condition.
- Magnetic Tamper Operation - applying an external magnet in an attempt to defeat the switch will operate a normally closed switch causing a magnetic tamper alarm condition.
- Remote Test Operation (Models HSC-1-TS and HSC-1-TP Only) - applying 12 VDC, 12 mA max. current to the remote test (black) wires, will operate a normally closed test switch. This will cause an alarm condition on the HSC-1-TP model and a tamper alarm condition on the HSC-1-TS model.

ORDERING INFORMATION

MODEL	DESCRIPTION	STOCK NO.
HSC-1	SPDT	2020350
HSC-2	DPDT	2020360
HSC-1-TP	SPDT w/Remote Test on Protective Loop	2020370
HSC-1-TS	SPDT w/Remote Test on Supervisory Loop	2020380
	(L) Bracket-HSC Mounting	5160248
	Spacer Bracket	5160260