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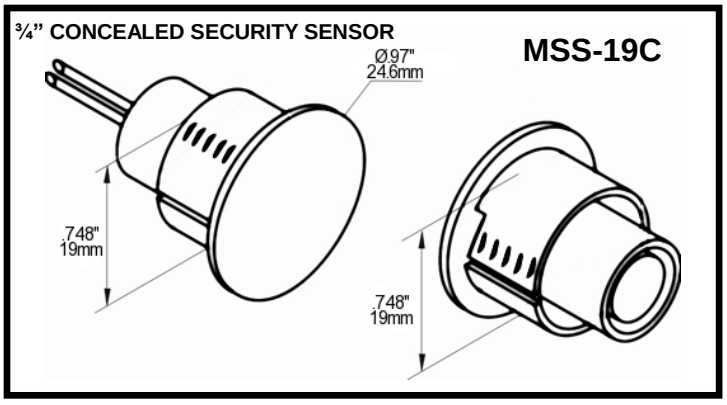
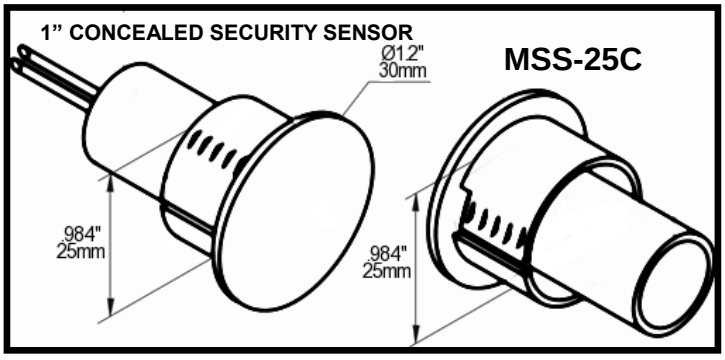
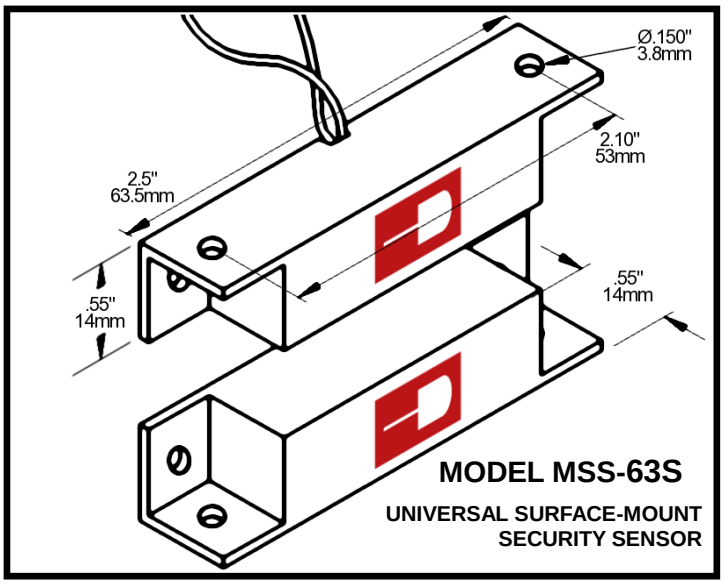
MAGNASPHERE®

PRODUCTS





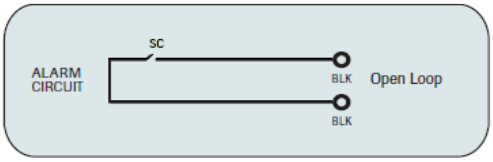


FEATURES

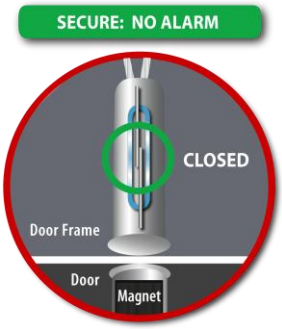
- Made with Magnasphere® switch technology
  - Won't break
  - Resistant to contact welding
  - Resistant to outside defeat
  - Security industry's BEST warranty
- Universal mounting
- Installs in Fail Safe (open loop) mode
- Cost Competitive
- Increases RMR

SPECIFICATIONS

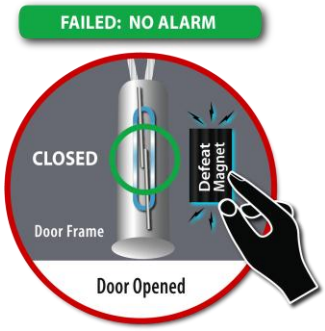
- Contact Form: Open Loop (Contact open when target magnet in place)
- Max Electrical Rating:
  - 250mA (resistive)
  - 30 VDC
  - 0.25W
- Leads: 22 AWG x 12"
- Use of EOL resistor recommended



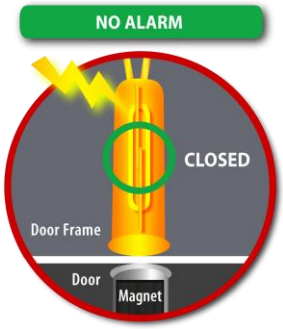
Security Contacts are made with a decades-old technology called the Reed switch. Reed switches have **three inherent weaknesses** when used in security contacts --they are: Easily **defeated** with magnets, Prone to permanent contact **weld** failure (from lightning and power surges), and **fragile** (made mostly of glass, they are subject to damage *even* when packaged as security contacts).



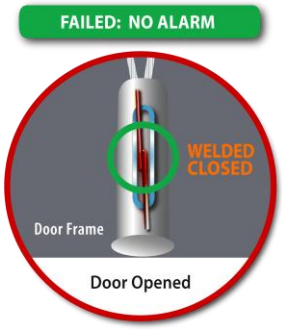
Reed contacts operate on magnetic fields. Most contacts are Closed in the secure position (Closed Loop) when the door is closed and the magnet is near the switch.



Introducing a defeat magnet OUTSIDE the door will keep the reed contacts closed, allowing an intruder to enter without alerting the security system. They FAIL SECURE. Reed switch contacts are globally magnetic: they will respond to the strongest magnetic field anywhere around the contact --not solely to the door magnet. *When compromised, reed contacts will still send secure signals.*



When closed reed contacts are exposed to power surges such as lightning strikes, they are prone to **permanent** contact welding.



Because reed contacts operate by magnetic induction, they are not attracted to the door magnet. Once contacts have welded closed, they remain in that state though the door is open. They FAIL SECURE.

The patented, award-winning Magnasphere switch technology was designed as a security device which over comes the deficiencies of reed contacts – **Resistant** to magnetic defeat and tamper - **Resistant** to permanent contact welding from lightning and power surges – **Robust**, all metal welded construction is virtually unbreakable.

Magnasphere security sensors' magnet ball contact is open in the secure position (**Open Loop**) when the door is closed and the door magnet is near the switch.

Magnasphere's contact is a spherical magnet and operates in a defined activation zone directed toward the door magnet. A defeat magnet introduced OUTSIDE the door will have no effect on the ball contact. When the door is opened, the contact will close, and the system will alarm.

Magnasphere Security Sensors are **Open Loop** and highly resistant to contact welding from power surges & lightning strikes.

Because the magnet ball contact will not weld, when the door is opened the contact will close and the system will alarm.