



MAGNASPHERE[®] HSD

Get More Security.

MAGNASPHERE'S[®] patented technology overcomes the easily exploitable weaknesses in reed switch based magnetic contacts.

Get More Secure.

Virtually **unbeatable** and **unbreakable**, MAGNASPHERE'S[®] award-winning technology provides the absolute highest level of intrusion detection to ensure high security areas remain secured.



The Most Advanced and Effective High Security Magnetic Sensor



Meets UL 634, DIAM 50-3, and DCID standards for use in Sensitive Compartmented Information Facilities (SCIFs).

MAGNASPHERE[®] HSD KEEPS THE INSIDERS **OUT**

The Insider Threat Is Real

Experts agree that the most devastating threats to corporate and government security have come from employees who were deemed trusted insiders.

Armed with a simple magnet, unscrupulous employees can disable reed switch triple biased BMS magnetic contacts from the inside during the day so that they can enter undetected later that night.

It's no secret that reed switch door and window magnetic contacts are one of the weakest links in any physical perimeter security system . . . especially to the insiders.

Unlike triple biased contacts, the HSD is the only high security sensor that is resistant to external AND internal magnetic defeat tampering.

Establishes "New Industry Standards" for High Security Sensor Performance.

- Resistant to External AND Internal Magnetic Defeat.
- Resists High Voltage Discharge Contact Weld Failure.
- No Minimum Sensor and Actuation Magnet Distance.
- New Features Offer Unparalleled High Security Performance.

Superior Replacement for Triple Biased BMS Contacts in All Security Applications.

- HSD Advancements Overcomes Triple Biased Weaknesses.
- Triple Biased Contacts Can Be Defeated with Simple Magnets.
- High Voltage Can Permanently Weld Triple Biased Shut.
- HSD Was Designed to Be Exact Retro-Fit Replacement.

Highest Level of Intrusion Detection for Government and Commercial Markets.

Federal Buildings, Military Bases, Nuclear Power Plants, Water Treatment Facilities, Prisons, Airports, Research Labs, Data Processing and Storage Centers, Warehouses, Manufacturing Plants, Banks, Museums, Jewelry Stores.



MAGNASPHERE[®] HSD

TECHNICAL SPECIFICATIONS

Sensor Housing: Brushed Anodized Aluminum

Available Colors: Silver Black Gold
 (Standard) (Optional) (Optional)

Wire Lead Type: 36" Stainless Steel Cable
 Color Coded Lead Wires.

Dimensions: 4.25" L x 1.5" H x 1.0" D
 Gap Distance: Max. Operating Gap Distance 1/4"
 Electric Configuration: In Secure Position –
 Secure Contacts N.C., Magnet Tamper N.C.,
 Pry Tamper N.C., Auxiliary N.O.

Loop Type: Closed
 Maximum Current: .25 A
 Maximum Voltage: 30 VDC
 Maximum Power: 3.0 W (without internal terminating
 resistors). 1.0 W (with internal terminating resistors).
 Operating Temperature: -40 °C to +80 °C

INSTALLATION AND CONFIGURATION

- Precision Built to Aerospace Sensor Standards.
- Compatible with Control Panel Models that Accept Contact Inputs.
- Easy Installation Reduces Labor Costs.
- Suitable for Indoor and Outdoor Use.
- Pry Tamper: Sensor is Integrated into the HSD; No Separate Backplate to Install.
- Control Panel Resistor: Integrated into Sensor.

American-Made
 MAGNASPHERE[®]
 Switch Technology

INDUSTRY AWARDS

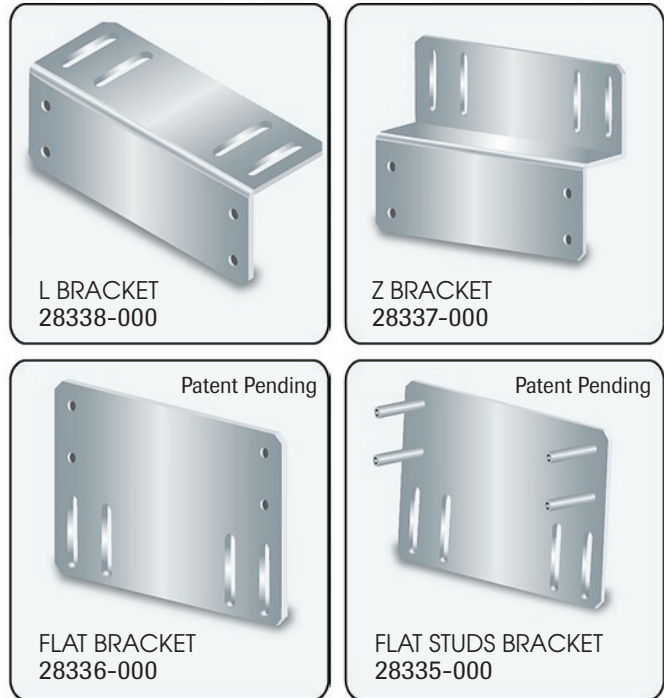
Best of Show Award: ISC Expo
 Gold Award Sensor Technology: Sensors Expo
 Best Intrusion Detection: ISC Expo

PATENTED DESIGN

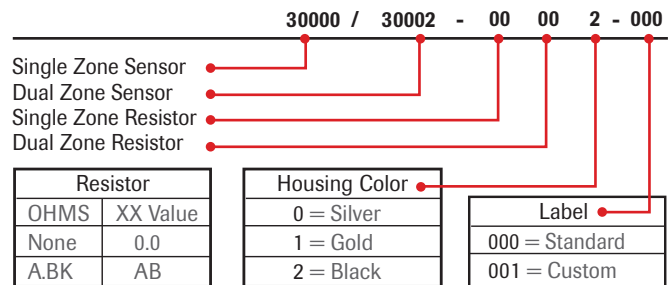
MAGNASPHERE[®] products are covered by one or more of the following U.S. and international patents:

#5332992	#5530428	#5673021
#5880659	#5977873	#6087936
#6506987	#6603378	#6803845
#7023308	and Patents Pending.	

HSD MOUNTING BRACKETS



HSD PART NUMBERING SYSTEM



HSD PART NUMBERING EXAMPLE



30000-00002-001	0000	2	000
Single Zone Sensor	No Internal Resistors	Black Housing	Label
30002-47220-000	4722	0	000
Dual Zone Sensor	Zone 1: 4.7K Resistor Zone 2: 2.2K Resistor	Silver Housing	Label

MAGNASPHERE[®] Corp. has teamed with Harco, Inc., a leading aerospace sensor manufacturer, with the purpose of providing superior performing magnetic contact sensor technology to the residential, commercial, and federal government security markets. The HSD's leading-edge technology aims to set new industry standards for high security sensors while providing an affordable and more effective alternative to reed-based security contacts.

To learn more about the MAGNASPHERE[®] HSD High Security Sensor visit www.MAGNASPHERE.com or call 262-347-0711.