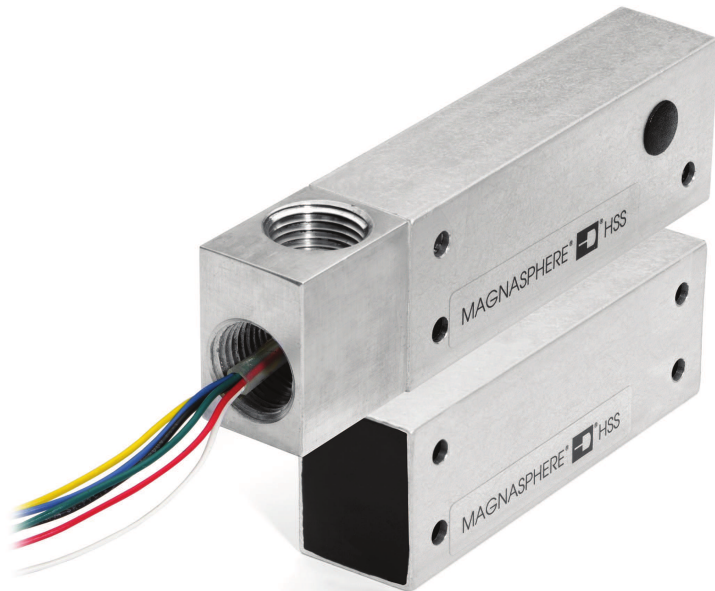


L2X-800 SERIES

MAGNASPHERE®  HSS®



Magnasphere has created
L2X-800 High Security Sensor -
Meets UL634 Level 2 High Security
Standard.

For SCIFs, Safes, Vaults and Hazardous
Environment Applications
(NOT EXPLOSION PROOF)



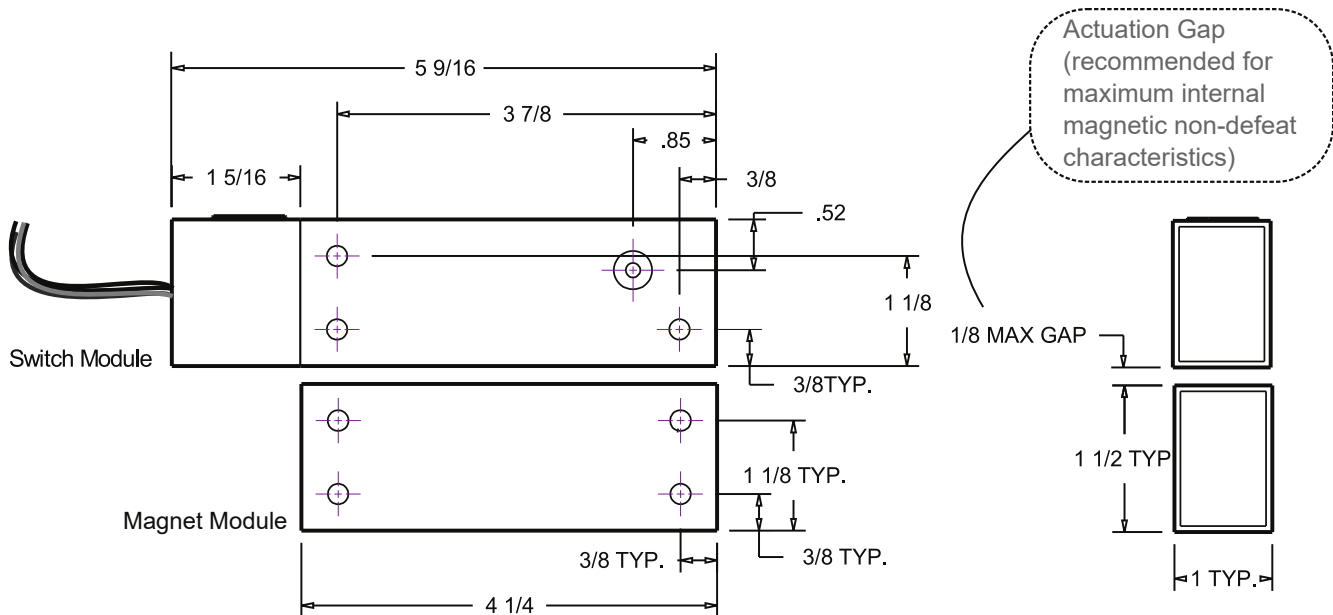
Magnasphere L2X-800 Technology

- Simple apparatus for Intrinsically Safe schemes for Hazardous locations NFPA 70 500.7 (E)
- Resistant to external and internal magnetic defeat
- Dual ½" NPT conduct ports – provide top or side connection options
- Replacement for existing BMS devices
- No adjustment required for installation
- Removal tamper sensor
- Magnetic tamper sensor
- Single (L2S) and dual (L2D) alarm contacts available
- Available with embedded end of line resistors (EOLs)
- American Made – using MAGNASPHERE switch technology – resistant to contact welding (lightning, power surges, stun guns)
- Compatible with control panel models that accept contact inputs
- Competitively priced and widely used

L2X-800 SERIES

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L2X-800 SERIES DIMENSIONS



CONSTRUCTION AND TECHNICAL SPECIFICATIONS

Aluminum Case: Silver-Gray Anodized
 Wire Lead Type: Solid Color-Coded Lead Wires, 22AWG
 Hermetically Sealed Switch Contact
 Fully Epoxy Potted Assembly
 Single Alarm Contact Version (L2S): Closed or Open Loop
 Dual Alarm Contact Version (L2D): Closed Loop
 Removal Tamper Circuit: Closed Loop
 Max Current : 0.25 amps Resistive
 Max Voltage: 30 VDC
 Max Power: 0.250 W
 Operating Temperature: -40° C to +80° C
 Suitable for Indoor and Outdoor Use
 Intended for connection to UL Listed Compatible Control Panels

PATENTED DESIGN

#5332992 #5530428
 #5673021 #5880659
 #5977873 #6087936
 #6506987 #6603378
 #6803845 #7023308
 #7291794 #RE39731
 #7944334 #8228191
 & Other Patents Pending

MAGNASPHERE® Corp. provides superior performing magnetic contact sensor technology for the residential, commercial, and federal government security markets. The HSS'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® L2 HSS High Security Sensor visit www.MAGNASPHERE.com or call 262-347-0711.

Simple Apparatus

L2X-800 Series is a passive, insulated and epoxied contact, can be used in hazardous locations by Intrinsically Safe means. There are at least two ways to meet the requirements of a hazardous location. The common means was habitually satisfied by using "Explosion Proof" devices. The other means is via Intrinsic Safety. L2X-800 Series (epoxied and insulated) switches are regarded as a Simple Apparatus for Intrinsically Safe schemes. When used in tandem with an Intrinsically Safe Isolator which is designed, rated, and listed for the hazardous location class, the installation will be Intrinsically Safe for that hazardous location. Intrinsic safety is a more flexible means of fulfilling the requirements of hazardous locations. Basically, the intrinsically safe isolator (often of a DIN rail mount form) controls the energy to downstream wiring and equipment, making an arc impossible. In these schemes, the intrinsically safe device carries the Class/Division or Zone rating for the hazardous location. This allows for using a Simple Apparatus (many of Magnasphere's contacts) to be used in such environments.

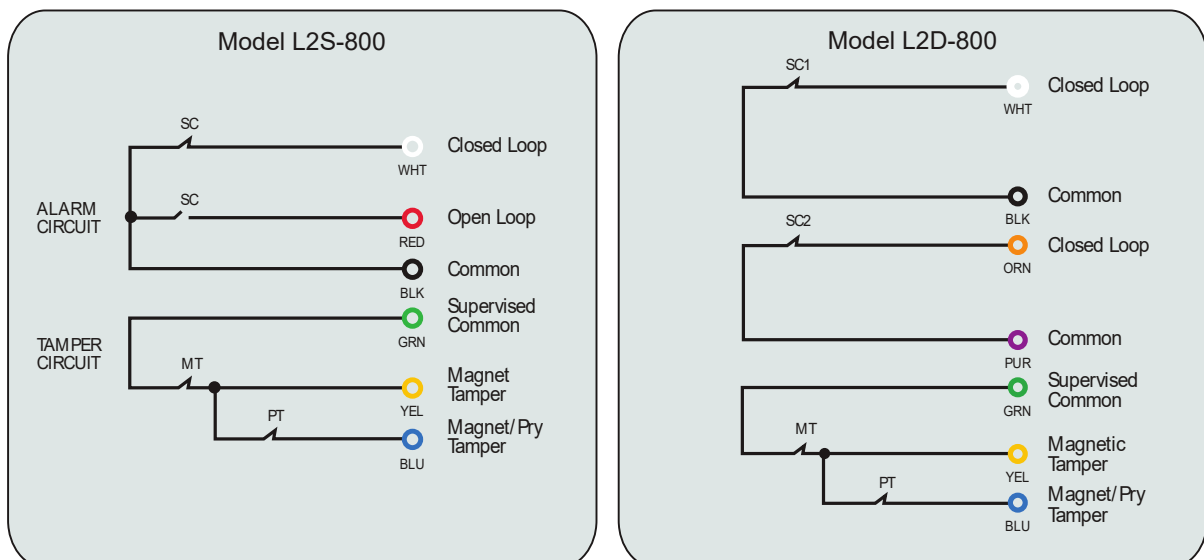
References on Simple Apparatus and Intrinsic Safety: NFPA 70 – Article 504 Intrinsically Safe Systems

<http://cemarkingmadesimple.blogspot.com/p/simple-apparatus.html>

How the HSS Magnet / Removal Tamper Circuit Works

Magnasphere's HSS incorporates the most secure anti-tamper features of any device available. In addition to the sensors inside that will detect the presence of a stronger magnet placed on any surface of the HSS, the removal tamper circuit will alarm BEFORE the HSS can be removed. You will notice that the mounting hole on the upper right side of the sensor is larger than the other mounting holes and slightly inset. A tamper proof MAGNASPHERE switch is positioned inside the unit facing the bore of this mounting hole. Once the unit has been mounted, the removal tamper magnet & cap (included) is inserted into this mounting hole and will activate the removal tamper switch. In order to access that mounting screw to remove the sensor, the locking cap with magnet must be pried out. This will cause the removal tamper switch to alarm.

Typical Part Numbers / Wiring Schematics



All Circuits Shown with Magnet Actuator in Secure Position. For Built-in EOL Resistor Configurations and Values (not shown), Visit WWW.MAGNASPHERE.COM.