

# **MAGNASPHERE L2C SERIES**

## **Architects and Engineering Specifications**

### **Related Sections**

Concealed (recessed) High Security Switch (HSS) Magnetic Door Contacts for use with SCIF and other High Security Intrusion Detection Systems and Access Control Systems

### **References**

Nationally Recognized Testing Laboratory (NRTL) – e.g. Underwriters Laboratories, Intertek (ETL), etc.

UL634; Standard for Connectors and Switches used in Burglar Alarm Systems, Level 2 High Security

Office of Director of National Intelligence, Intelligence Community Standard (ICS) 705-1, Chapter 7; Sec. 2 d)

### **Design Requirements**

The HSS must be made with Magnasphere magnetic switch technology.

The HSS must integrate Removal Tamper Circuit and hardware, to actuate on removal of switch from mounting surface

The HSS must be compatible with control panel models that accept contact inputs.

The HSS shall be rated for indoor and outdoor use.

The HSS must install in a recessed cavity in door frame and door (either standard ANSI cut out or One inch (1”) diameter hole.

**PRODUCTS – L2C-101, -111,**

**L2C-101A, -111A**

### **Materials**

L2C-101, -111 – Switch and tamper housings shall be made of UL94 HB rated plastic –Housing dimensions to be nominally 1” diameter X 1.0625” height. Magnet module shall be made of non-ferrous metal – nominally 1” diameter X 1.0625” height, with mounting flange (1.125”W X 2.625”L) requiring 2 X #10 mounting screws.

L2C-101A, -111A- Switch and Magnet housings shall be made of non-ferrous metal. Nominally 4.25”L X 1.25”W requiring 2 X #8 mounting screws each. Tamper bracket shall be made of plastic with SS mounting inserts requiring 2 X #8 (undercut) mounting screws.

Internal switches must be Magnasphere technology

Internal switches must be fully potted using 94HB rated material

Lead wires to be solid color coded with stainless steel armored jacket

## **Design features**

Contact form: Closed Loop Alarm contact, Closed Loop Tamper contact - Or Two Closed Loop Alarm Contacts, Closed Loop Tamper contact.

Max. Electrical Rating

250 mA

30 VDC (Resistive)

0.25 W

Integrated Removal Tamper circuit / hardware

ANSI cut out or One inch (1”) diameter hole concealed mounting

UL 634 Level 2 High Security Listed

## **EXECUTION**

### **Installation**

Per Manufacturer’s Instructions