



How the HSS L2C Removal Tamper Circuit Works

The MAGNASPHERE HSS L2C Series are the only concealed devices available on the market that incorporate a secure anti-tamper circuit. This patented feature is available on both the ANSI cut out and the 1" diameter recessed versions of the L2C.

L2C-XXX-A Models for Use in Standard ANSI Door Cut Out

(Refer to product sheet for visual graphics)

The Tamper bracket, containing the tamper switch actuating magnet is inserted into the ANSI cutout first, and secured with screws to the ANSI mounting tabs.

The Switch module is incorporated into the brass cover plate and contains the Magnasphere alarm switch(es) which are oriented toward the face of the Switch cover plate towards the corresponding actuation magnet mounted in the door, and the Magnasphere tamper switch which is oriented in the opposite direction toward the magnet in the Tamper bracket.

The cover plate is secured to the Tamper bracket via mounting holes that are inboard on the cover and is

secured to corresponding mounting holes in the Tamper bracket.

Any attempt to access the switch or wiring will require removing the Switch module/cover plate. As this is removed, the Tamper switch is moved away from magnet in the stationary tamper bracket, which results in an alarm condition.

This Tamper bracket - Switch module/cover plate arrangement is also ideal when the device requires a periodic test of the tamper circuit. The tester need only loosen the mounting screws on the Switch module / cover plate, pull the module out from its seated position and the alarm switch will activate for the test.

L2C-XXX Models for 1" Diameter Recessed Installation

(Refer to product sheet for visual graphics)

The Tamper device, containing the tamper switch actuating magnet is a tapered "cap" that adheres to the switch housing via double sided tape pads, and aligns the tamper magnet opposite the tamper switch. The taper allows the switch / tamper assembly to be inserted into the 1" diameter mounting hole. Attempts to remove the switch assembly, will result in the reverse taper "barbs" of the tamper cap engaging the inside edge of the door frame, and pulling the tamper cap tape pads loose from the switch module. As this tamper cap / magnet releases from the switch module, an alarm signal is generated.

NOTE:

The L2C switch module has locking side clips that make it extremely difficult to remove the switch module without damaging it. Therefore, removal of the switch to test the tamper circuit is not recommended. If the L2C is used in wood or aluminum door frame installations that require a test of the tamper circuit, this can be accomplished by using a specially magnetized L2C Tamper Test Magnet (Magnasphere part number 1384). Simply open the door (which removes the L2C actuating magnet) and place the Tamper Test Magnet beneath the switch - this will cause activation of the tamper switch for the test.