

**HIGH SECURITY BMS CONTACT
INSTALLATION INSTRUCTIONS
1000-98LY -98LV -96LY -96LV BMS**



MOUNTING: Following the steps below, mount the Switch and the Magnet to the floor and overhead door. Make sure door is closed and secure and that there is no more than 1/2" movement in any direction.

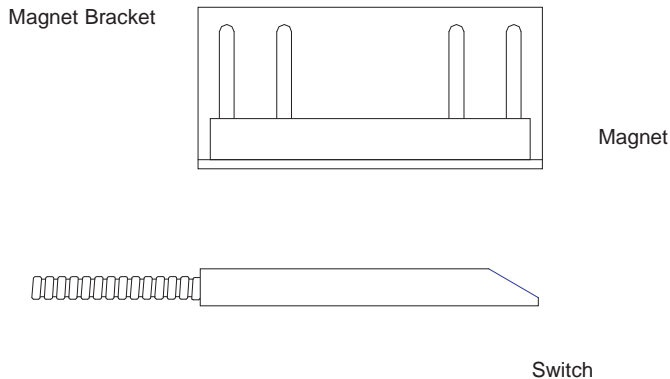


FIGURE A

Position Magnet directly above Switch approximately 1 1/2" to 2" in Balanced configuration. An attempt to bypass existing magnet will be detected by Switch.

1. Mount the Switch to the floor.
2. Hook meter to the Switch Open Circuit Tamper Loop (Switch 2 - Black/White and Blue/White Wires). With the overhead door all the way down and secure, position the Magnet above the Switch with sides aligned and move the Magnet down until the Tamper Loop closes.
3. Move the Magnet back up until the Tamper Loop opens and mark this position. This is typically 1/2" to 1" above the Switch. Remove Magnet.
4. Hook meter to the Switch Closed Circuit Door Loop (Switch 1 - Green and Red Wires). With the overhead door all the way down and secure, position the Magnet above the Switch with sides aligned and move the Magnet down until the Door Loop closes. Mark this position. This is typically 2 1/2" to 3" above the Switch.
5. Mount the Magnet Bracket so that the Magnet is half way between the two marks, typically 1 1/2" to 2" above Switch. This is the Balanced Switch and Magnet position.

WIRING: There are two recommended wiring configurations, both involving the addition of resistors. One configuration uses a single zone input to monitor for alarm and tamper, see Figure B. The other configuration uses two zone inputs, one zone for monitoring alarm and door status, the other zone for monitoring tamper, see Figure C. The Figure B configuration is recommended if your alarm panel can be programmed to distinguish the difference between an open circuit for alarm and a short circuit for tamper. If this is not possible, then the Figure C configuration is recommended.

TESTING WITH RESISTORS: See Figure B - Make all loop test readings with door closed and a 1k Ohm resistor installed. Other switch loops may be used to trigger other devices.

1. With the door open the Supervised Alarm Loop will read open (Infinite Ohms)
2. With the door closed and the Switch Balanced the Supervised Alarm Loop will read 1k Ohm
3. With the door closed and in a tamper condition the Supervise Alarm Loop will read 0.0 Ohms

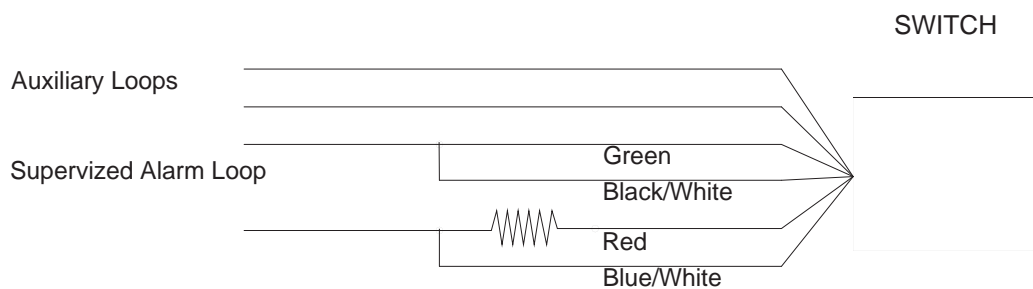


FIGURE B:
WIRING DIAGRAM
SINGLE ZONE INPUT
WITH 1k Ohm RESISTOR

TESTING WITH RESISTORS: See Figure C - Make all loop test readings with door closed and two (2) 1k Ohm resistors installed. Other switch loops may be used to trigger other devices.

1. With the door open the Alarm Loop will read open (Infinite Ohms) and the Tamper Loop will read 1k Ohm
2. With the door closed and the Switch Balanced the Alarm Loop will read 1k Ohm and the Tamper Loop will read 1k Ohm
3. With the door closed and showing a tamper condition the Alarm Loop will read 1k Ohm and the Tamper Loop will read 0.0 Ohms

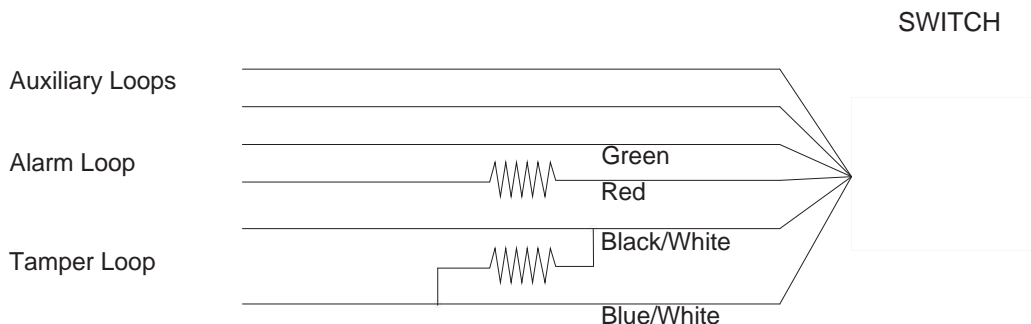


FIGURE C:
WIRING DIAGRAM
TWO ZONE INPUT
WITH 1k Ohm RESISTORS