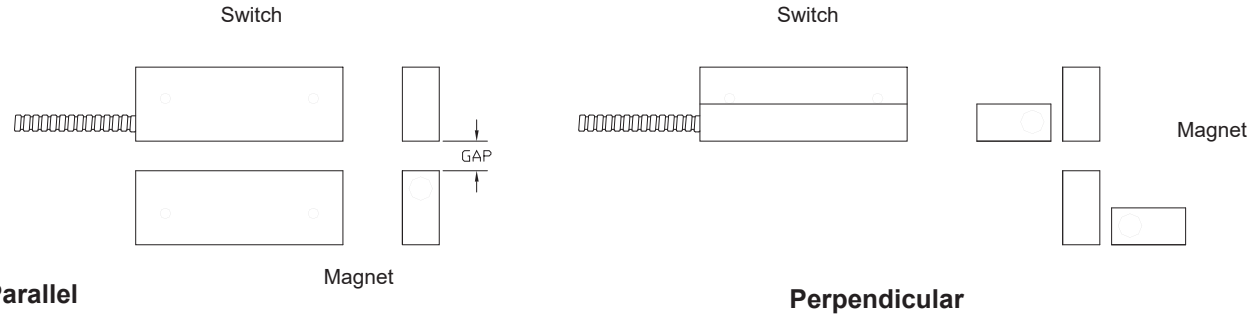
HIGH SECURITY BMS CONTACT INSTALLATION INSTRUCTIONS
1000-64WY BMS and 1000-64WV BMS

MOUNTING: Following the steps below, mount the Switch and the Magnet to the door frame and door so that the armored cable of the Switch is next to the Magnet and the edges of the cases are aligned. Switch and Magnet may be mounted parallel or perpendicular, see Figure A below. Gaps will increase when mounting on wood doors or in air using brackets compared to steel doors.

FIGURE A



1. Mount the Switch to the door frame.
2. Hook meter to the Switch Open Circuit Tamper Loop (Switch 2 - Black/White and Blue/White Wires). Slide the Magnet up the door toward the Switch with sides aligned and surfaces parallel until the Tamper Loop closes.
3. Move the Magnet back until the Tamper Loop opens and mark this position on the door. This is typically 1/2” to 3/4” Gap when mounted directly on steel door. Remove Magnet.
4. Hook meter to the Switch Closed Circuit Door Loop (Switch 1 - Green and Red Wires). Slide the Magnet up the door with sides aligned until the Door Loop closes. Mark this position. This is typiclly 2 1/2” Gap when mounted directly on steel door.
5. Move the Magnet half way between the two marks and mount to the door, 1 1/2” to 1 3/4” Gap. This is the Balanced Switch and Magnet position.
6. Door Loop (Switch 1), Tamper Loop (Switch 2) and other Door Loop (Switch 3, if present) are SPDT so either the closed or open circuits may be used.
7. **SUPERVISED LOOPS:** Resistors may be used with the BMS Contacts in order to supervise the Door and Tamper Loops. Call Flair if you would like assistance in determining the correct resistor configuration.

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 Lloop 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

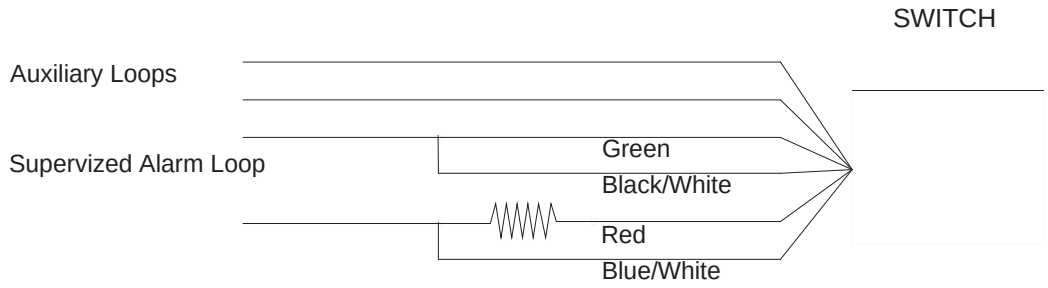


FIGURE B:

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

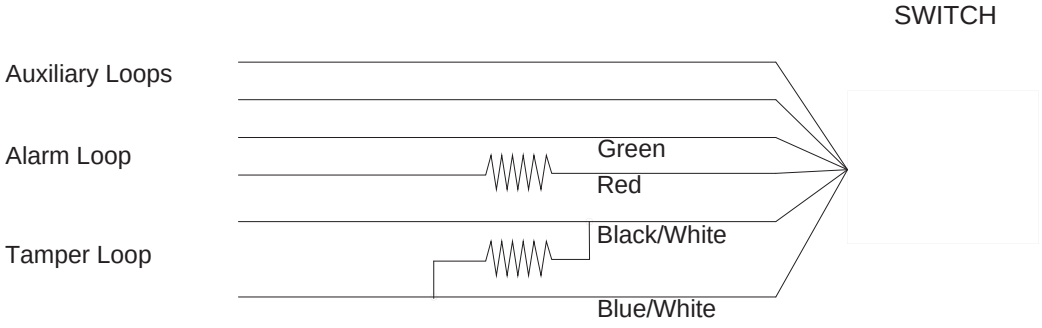


FIGURE C:

WIRING DIAGRAM
TWO ZONE INPUT
WITH 1k Ohm RESISTORS