

**OPTION 1 - SWITCH MOUNTED TO FACE OF DOOR FRAME  
AND MAGNET MOUNTED TO FACE OF DOOR**

Position the Magnet and Switch so that the small dimple on the front of the case is aligned and adjacent to each other facing away from the door frame and door (See Figure 1, 2 and 3).

The setup gap distance is 0.062 in. (1/16"). The Switch will operate at approximately 0.35 in. to 0.3 in. on closing and go into alarm at approximately 0.3 in. to 0.35 in. on opening. Minimum gap is 0.0 in., however, environmental conditions, such as thickness of the metal to which the Switch and Magnet attach, may alter gap distance.

We recommend the following installation method:

1. Mount the Switch to the face of the door frame.
  - a. Use the Pry Tamper Spacer 1 as a marking template. Place the Pry Tamper Spacer on the door frame header as low as possible and in the middle of the door.
  - b. Mark and drill the mounting holes for the Switch and the Pry Tamper Spacer 1.
  - c. If Pry Tamper Spacer 1 is required, install it under the Switch with two #6 x 3/4 in. flathead screws.
  - d. Install the Switch with the dimple facing away from the door with four #8 pan head screws.
2. Mounting the Magnet to the door.
  - a. Use a 1/8" Spacer as a marking template. Place the 1/8" Spacer on the door aligned and 0.062 in. (1/16") away from the Switch. You may use the 1/16" Spacer to set the gap.
  - b. Mark and drill the mounting holes for the Magnet.
  - c. Install the Magnet with the dimple aligned and adjacent to the Switch with four #8 pan head screws.
3. If installation is to use both the magnetic tamper and pry tamper, connect the Brown/White and Blue/White leads to the 24-hour circuit. The Pry Tamper Spacer 1 is required for certified safe and vault applications.
4. If the Pry Tamper Spacer 1 is not used, discard and mount the Switch directly to the surface. Be sure to connect the Brown/White and Black/White leads to the 24-hour circuit for the magnetic tamper.

**WIRE COLOR CODE (With Magnet Present):**

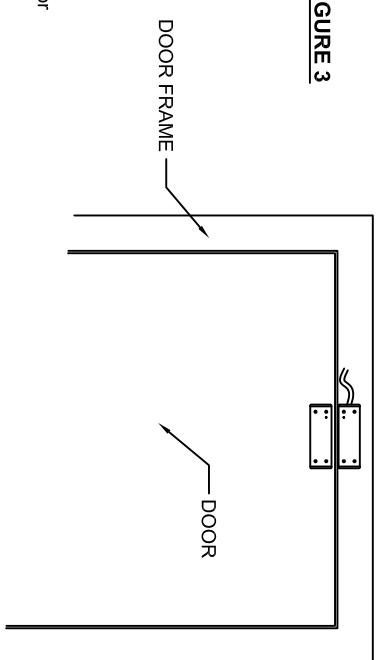
|                        | <b>Common</b> | <b>Closed</b> | <b>Open</b> |
|------------------------|---------------|---------------|-------------|
| <b>Door Switch</b>     | Green         | Red           | White       |
| <b>Magnetic Tamper</b> | Black/White   | Brown/White   |             |
| <b>Pry Tamper</b>      | Black/White   | Blue/White    |             |

**FLAIR ELECTRONICS**  
**P/N FL2-100**

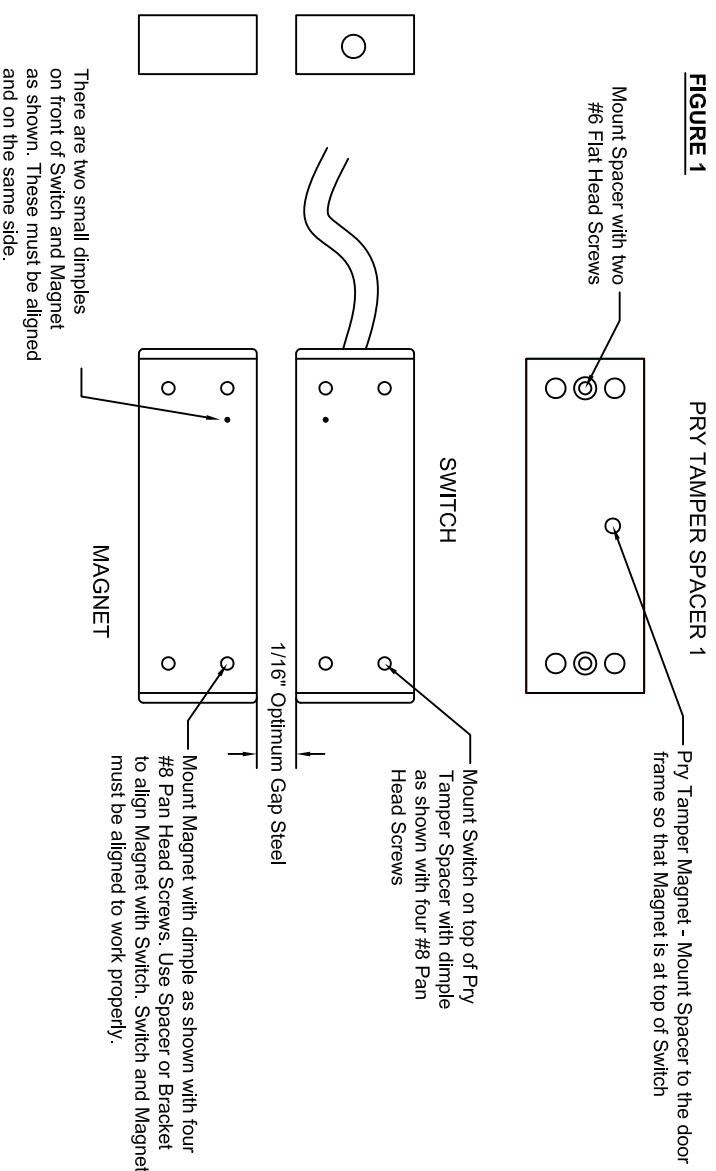
**OPTION 1 - SWITCH MOUNTED TO FACE OF DOOR FRAME AND MAGNET MOUNTED TO FACE OF DOOR.**

**\*\* Use Spacer as template for drilling holes**

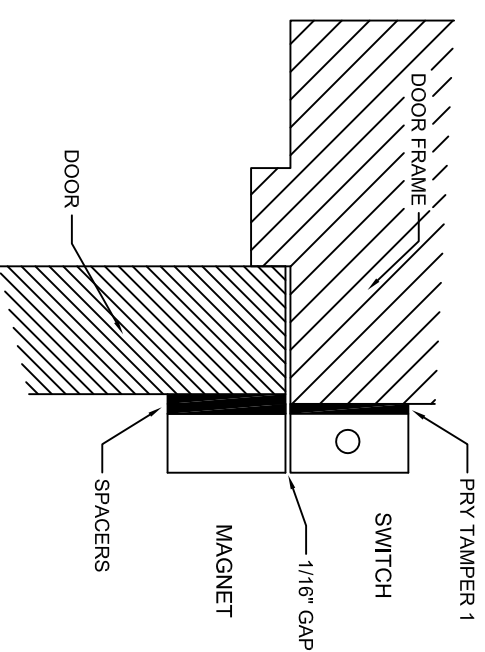
**FIGURE 3**



**FIGURE 1**



**FIGURE 2**



**OPTION 2 - SWITCH MOUNTED TO INSIDE OF DOOR FRAME  
AND MAGNET MOUNTED TO FACE OF DOOR**

Position the Magnet and Switch so that the small dimple on the front of the case is aligned and adjacent to each other facing away from the door frame (See Figure 1, 2 and 3).

The setup gap distance is 0.062 in. (1/16"). The Switch will operate at approximately 0.35 in. to 0.3 in. on closing and go into alarm at approximately 0.3 in. to 0.35 in. on opening. Minimum gap is 0.0 in., however, environmental conditions, such as thickness of the metal to which the Switch and Magnet attach, may alter gap distance.

We recommend the following installation method.

1. Mount the Switch to the inside of the door frame:
  - a. Use the Pry Tamper Spacer 2 as a marking template. Place the template on the inside of the door frame with the Pry Tamper Magnet away from the door and in the middle of the door.
  - b. Mark and drill the mounting holes for the Switch and the Pry Tamper Spacer 2.
  - c. If Pry Tamper Spacer 2 is required, install it under the Switch with two #6 x 3/4 in. flathead screws.
  - d. Install the Switch with the dimple facing away from the door with two #8 flathead screws.
2. Mounting the Magnet to the door.
  - a. Use a 1/8" Spacer as a marking template. Place the 1/8" Spacer on the door aligned and 0.062 in. (1/16") away from the Switch. You may use the 1/16" Spacer to set the gap.
  - b. Mark and drill the mounting holes for the Magnet.
  - c. Install the Magnet with the dimple aligned and adjacent to the Switch with four #8 pan head screws.
3. If installation is to use both the magnetic tamper and pry tamper, connect the Brown/White and Blue/White leads to the 24-hour circuit. The Pry Tamper Spacer 1 is required for certified safe and vault applications.
4. If the Pry Tamper Spacer 1 is not used, discard and mount the Switch directly to the surface. Be sure to connect the Brown/White and Black/White leads to the 24-hour circuit for the magnetic tamper.

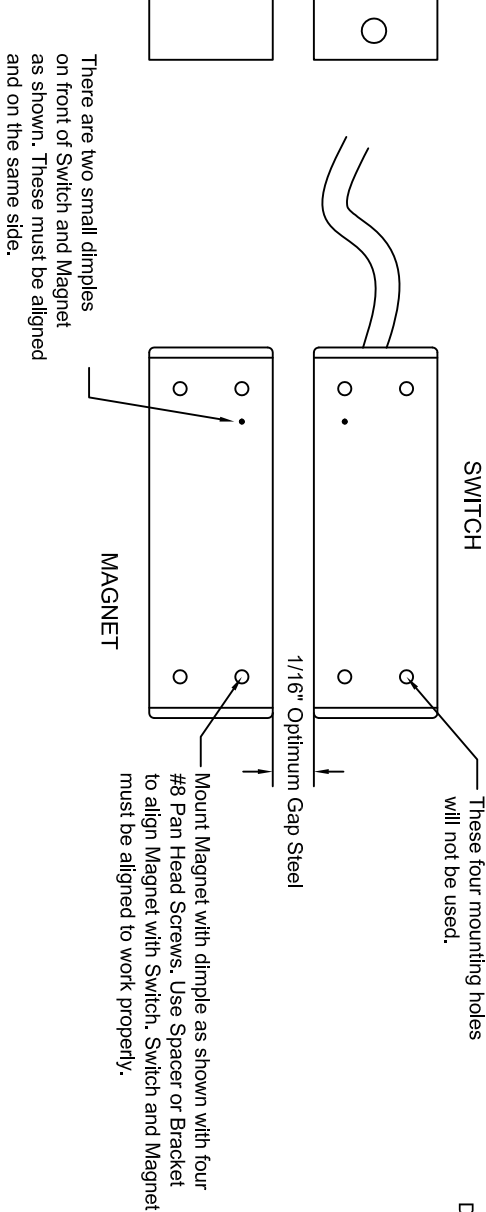
**WIRE COLOR CODE (With Magnet Present):**

|                        | <b>Common</b> | <b>Closed</b> | <b>Open</b> |
|------------------------|---------------|---------------|-------------|
| <b>Door Switch</b>     | Green         | Red           | White       |
| <b>Magnetic Tamper</b> | Black/White   | Brown/White   |             |
| <b>Pry Tamper</b>      | Black/White   | Blue/White    |             |

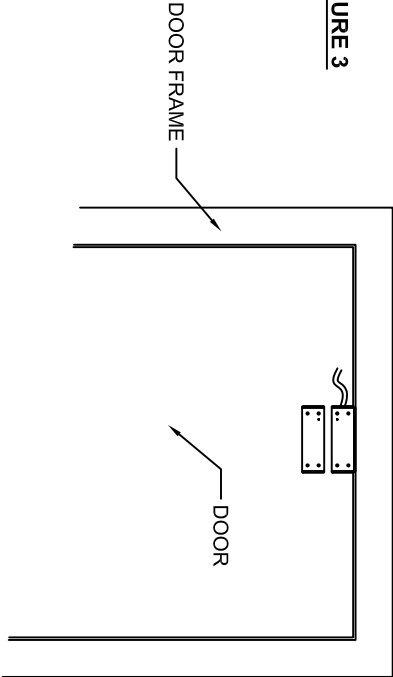
OPTION 2 - SWITCH MOUNTED TO INSIDE  
OF DOOR FRAME AND MAGNET MOUNTED  
TO FACE OF DOOR.

\*\* Use Spacer as template for drilling holes

**FIGURE 1**



**FIGURE 3**



**FIGURE 2**

