

**RECESSED 3/4" DIA.
SPST BALANCED MAGNETIC SWITCH
PFC48Y BMS**

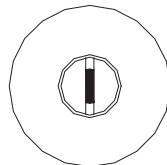


FEATURES:

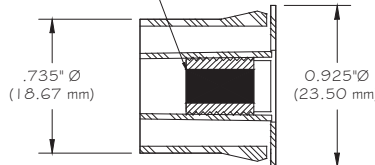
- * 3/4" Dia. Recessed Magnetic Contact
- * 12" #22 AWG Wire Leads
- * Rare Earth Magnet
- * Self Locking in Steel and Wood
- * Balanced Magnetic Configuration with Magnetic Tamper
- * Colors: White, Brown, Black and Gray
- * Lifetime Warranty
- * Safety Approvals



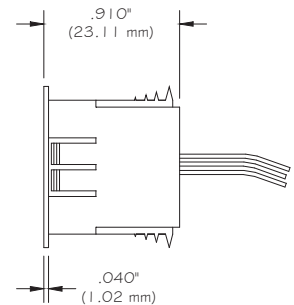
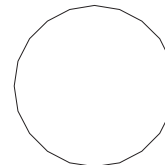
MAGNET HOLDER AND Ø 1/4" X 1/2" RARE EARTH MAGNET
MAGNET HOLDER SCREWS IN AND OUT TO ADJUST GAP



ADJUSTABLE MAGNET



SWITCH



PRINCIPAL OF OPERATION: The Flair PFC48Y BMS Balanced Magnetic Contact utilizes two Form A high reliability Rhodium plated reed switches, one of the two reed switches being of different sensitivity, encapsulated in epoxy inside a recessed mounted fire retardant case. This results in a SPST configuration with a magnetic tamper. When the rare earth magnet is in place and properly adjusted (Balanced), the magnetic tamper switch will be in a state opposite to the other switch. This normal configuration will change should one of the following occur; (1) switch 1 will change state by either the deliberate shunting of the magnetic field or if the door/window is opened, and (2) the addition of a magnetic field such as an external magnet will cause the magnetic tamper switch 2 to change state.

End-of-line resistors may be used for a supervised circuit. Call Flair to request help with the correct resistor configuration. See Installation Instructions for mounting and wiring information.

**WIRE COLOR CODE BASED ON LOOP TYPE
WHEN MAGNET IS PRESENT**

	Common	Closed	Open
Loop	Switch 1	Green	Red
	Switch 2 Magnetic Tamper	Black/White	Blue/White

SPECIFICATIONS

ELECTRICAL:

Circuit: SPST with Magnetic Tamper
Voltage: 100VDC Max.
Current: 50ma. Max.
Wattage: 10 Max.

MECHANICAL:

Gap in steel: 3/8" TO 5/8"
Housing: Fire Retardant High Impact Plastic