

# RECESSED 3/4" DIA. SPDT BALANCED MAGNETIC SWITCH PFC42Y BMS

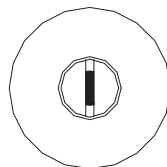


## FEATURES:

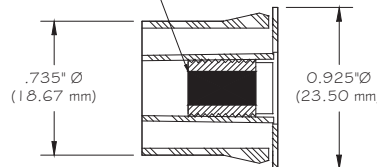
- \* 3/4" Dia. Recessed Magnetic Contact
- \* 12" #22 AWG Wire Leads
- \* Adjustable Rare Earth Magnet
- \* Self Locking in Steel and Wood
- \* Balanced Magnetic Configuration with Magnetic Tamper
- \* Colors: White, Brown, Black and Gray
- \* Lifetime Warranty
- \* Safety Approvals



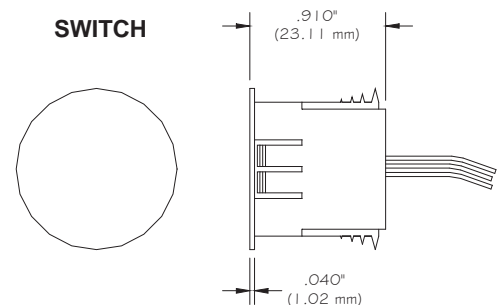
MAGNET HOLDER AND Ø 1/4" X 1/2" RARE EARTH MAGNET  
MAGNET HOLDER SCREWS IN AND OUT TO ADJUST GAP



ADJUSTABLE MAGNET



SWITCH



**PRINCIPAL OF OPERATION:** The Flair PFC42Y BMS Balanced Magnetic Contact utilizes two Form C 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 SPDT configuration with magnetic tamper. When the rare earth magnet is in place and properly adjusted (balanced), the magnetic tamper switch 2 will be in a state opposite to the switch 1. This normal configuration will change should one of the following occur; (1) switches 1 and 3 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 to allow a pre-determined trickle of current to flow and permit operation from a supervised line at all times. Call Flair to request help with specifying the correct resistors. See Installation Instructions for more information

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

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

## SPECIFICATIONS

### ELECTRICAL:

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

### MECHANICAL:

Gap in steel Housing	0" TO 3/8"
	Fire Retardant High Impact Plastic