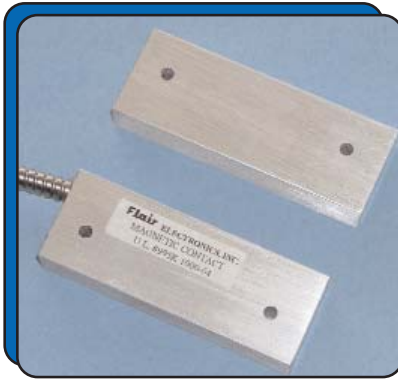
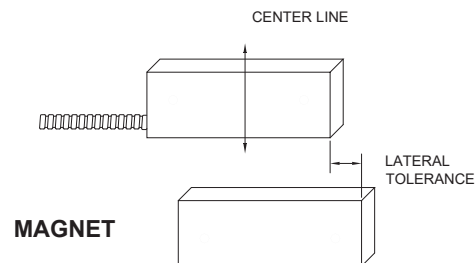
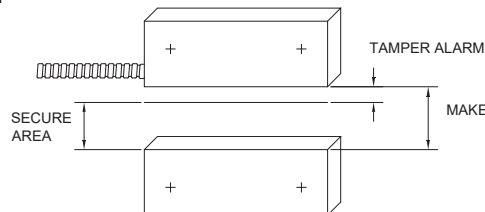


BALANCED MAGNETIC SWITCH SELECTOR GUIDE



PRINCIPAL OF OPERATION: Flair Balanced Magnetic Switches (BMS) utilize two or more high reliability reed switches, one of the reed switches being of lower sensitivity than the other switches. This lower sensitivity switch is a tamper. When the magnet is in place and properly adjusted (balanced), the magnetic tamper switch will be in a state opposite the other switches. This normal configuration will change should one of the following occur; (1) primary switches 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 due to an external magnet will cause the magnetic tamper switch 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. Also see Installation Instructions.

SWITCH



Part Number	Mounting Type	Size (in.)	Reed Form	Number of Wires	Configuration	Make (in.)	Tamper Alarm (inches)	Secure Area of Operation (in.)	Lateral Tolerance Away from CL (in.)
RMS94Y BMS	Recessed	3/8 Dia. x 1 L	A	4	SPST w/ Tamper	0.375	0.000	0.187	0.125
MSS200-7	Recessed	3/4 Dia. x 1 L	A	3	SPST w/ Tamper	0.625	0.000	0.375	0.250
PFC48V BMS	Recessed	3/4 Dia. x 1 L	A	6	DPST w/ Tamper	0.625	0.000	0.375	0.250
PFC42Y BMS	Recessed	3/4 Dia. x 1 L	C	6	SPDT w/ Tamper	0.625	0.000	0.375	0.250
PFC42V BMS	Recessed	3/4 Dia. x 1 L	C	9	DPDT w/ Tamper	0.625	0.000	0.375	0.250
MSS100-7	Recessed	1 Dia. x 1 L	A	3	SPST w/ Tamper	0.625	0.000	0.375	0.250
MSS100-4Y BMS	Recessed	1 Dia. x 1 L	C	6	SPDT w/ Tamper	0.625	0.000	0.375	0.250
MSS100-4V BMS	Recessed	1 Dia. x 1 L	C	9	DPDT w/ Tamper	0.625	0.000	0.375	0.250
1000-24SY BMS	Recessed	2 1/2 L x 1 1/2 W X 1/2 T	A	4	SPST w/ Tamper	0.500	0.000	0.500	0.250
1010-64X	Surface	3 1/2 L X 1 1/4 W X 5/8 T	A	3	SPST w/ Tamper	0.500	0.000	0.500	0.250
1000-65Y BMS	Surface	3 1/2 L X 1 1/4 W X 5/8 T	A	4	SPST w/ Tamper	0.500	0.000	0.500	0.250
1000-65V BMS	Surface	3 1/2 L X 1 1/4 W X 5/8 T	A	6	DPST w/ Tamper	0.500	0.000	0.500	0.250
1000-64Y BMS	Surface	3 1/2 L X 1 1/4 W X 5/8 T	C	6	SPDT w/ Tamper	0.500	0.000	0.500	0.250
1000-64WY BMS	Surface	3 1/2 L X 1 1/4 W X 5/8 T	C	6	SPDT w/ Tamper	2.500	0.750	1.750	1.000
1000-64VG BMS	Surface	3 1/2 L X 1 1/4 W X 5/8 T	C	6	SPDT w/ Tamper	2.500	0.750	1.750	1.000
1000-64V BMS	Surface	3 1/2 L X 1 1/4 W X 5/8 T	C	9	DPDT w/ Tamper	0.500	0.000	0.500	0.250
MSS100-17 or -19	Surface	3 3/4 L x 1 1/2 W x 1 1/4 T	A	3 - 5	SPST w/ Tamper	0.500	0.000	0.500	0.250
1000-98LY BMS	Surface	4 L x 2 W x 1/4 T	A	4	SPST w/ Tamper	2.750	0.250	1.000	1.000
1000-98LV BMS	Surface	4 L x 2 W x 1/4 T	A	6	DPST w/ Tamper	2.750	0.250	1.000	1.000
1000-96LY BMS	Surface	4 L x 2 W x 1/4 T	C	6	SPDT w/ Tamper	2.250	0.250	1.000	1.000
1000-96LV BMS	Surface	4 L x 2 W x 1/4 T	C	9	DPDT w/ Tamper	2.250	0.250	1.000	1.000

Notes: (1) Make position is distance of Magnet from Switch when primary circuit closes (2) Tamper Alarm is distance of Magnet from Switch when Tamper Alarm circuit closes. Tamper Alarm distances of 0.000 indicate that the face of the switch and magnet may touch without the tamper circuit closing (Over Drive). (3) Secure Area is distance of magnet from switch where BMS contact will function properly. Optimum switch magnet gap adjustment is half way between Make and Tamper Alarm distances (4) Lateral Tolerance is distance of magnet away from centerline of switch at which contact will still function properly (5) Data is for steel doors/windows. Distances will increase approximately 40% for wood doors/windows. Call Flair for precise distances. (6) Highlighted P/Ns have adjustable magnet, see data sheets.