

Title: Balanced Magnetic Switch (BMS)
Objective: Verify device is installed using acceptable standards and practices, communicates properly with the workstation, and provides proper protection of assets and meets or exceeds the contract performance specification.
Applicability: Examples: Doors, gates, hatches, and operable windows.
Notes: <ol style="list-style-type: none"> 1. Real-time voice communications between the workstation operator and the field technician is required. 2. The field technician may need tools and a stepladder to perform the BMS tamper tests. 3. Perform the nuisance test and intrusion test with the associated zone in the SECURE state. 4. Line Supervision, Power Fail, and Tamper Tests need to be performed in addition to these procedures.

Steps	Actions	Expected Results
<u>1.0</u>	<u>Nuisance Test</u>	
1.1	Rattle or shake the door to simulate normal vibrations that might be induced by wind or other non-intrusion factors.	No alarm is received at the workstation.
<u>2.0</u>	<u>Intrusion Test</u>	(It is recommended to repeat this test at least 3 times with no failures to help ensure proper functionality)
2.1	Gradually open the door until an alarm occurs. (This assumes that the door alarm is not programmed with an entry delay.)	An intrusion alarm is received at the workstation when greater than ¼ inch movement of the magnet in relation to the switch housing.
2.2	Close the door.	
2.3	Clear the intrusion alarm at the workstation.	The active alarm queue is empty.