

BS 210 Surface mount door switch

INSTALLATION:

- 1.) Turn Off Power at Circuit Breaker or Fuse Box for circuit to be worked on prior to removing cover plate from Light fixture, Receptacle or Device to be controlled and expose wiring.
- 2.) Route Low Voltage wire (1) pair # 18 AWG stranded Conductors class 2 Rated insulation jacket from Light Fixture, Receptacle or Device to remote Location where mounting Of switch is located.

3.) Install Switch:

(EXAMPLE)

A.) Drill hole in top edge of doorjamb using a drill bit size as to allow wire to be pushed through hole where mounting of surface mount switch is to be located. Make up # 18 AWG stranded conductors to screw terminals (**Landing Lug**) on bottom of switch before mounting switch. **Be careful not to over tighten terminal.** Install surface mount switch with double-sided tape or screws provided with switch.

B.) Install magnet on door same manner as switch. ***NOTE:** The switch and magnet should line up as close as possible with minimum gap between them, (**Maximum Gap 1/2"**)

4.) **Install Power Controller:** making up conductors per diagram. After all the connections have been made, the BS-210 can be placed into an electrical junction box. Secure the box lid and reapply power to branch circuit.

(EXAMPLE)

A.) **Black wire:** To incoming power (Line)

B.) **Red wire:** To switch leg (load) of device you're controlling.

C.) **White wire:** To Neutral wire.

(Low Voltage Wiring)

D.) **N/O installation, Light is on** when door is closed! use (**DIAGRAM NO.1.**) tie the Blue & Yellow Low Voltage wires together, then Make up wire to one terminal (**Landing Lug**) Of remote switch using (**CLASS 2 TWO CONDUCTOR WIRE #18 AWG.**) see **DIAGRAM NO. 1.** Make up Orange wire to second terminal (**Landing Lug**) of remote switch Using the second wire of (CLASS 2 two conductor wire) Recheck all wiring connections before restoring power to circuit.

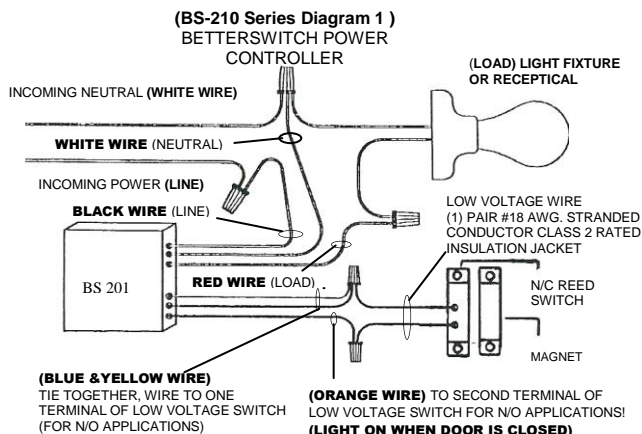
***Operated Load:** is activated by mating the magnet to the low voltage switch, which is wired to the power controller and will send line voltage to fixture or any other device to be controlled!

E.) **N/C installation, Light is off** when door is closed! Use (**DIAGRAM NO.2**) Cap off Orange wire with wire nut, Make up the Blue & Yellow Low Voltage wires to the 2- Terminals (**Landing Lugs**) of remote switch using (**CLASS 2 TWO CONDUCTOR WIRE #18 AWG.**)

Recheck all wiring connections before restoring power to circuit.

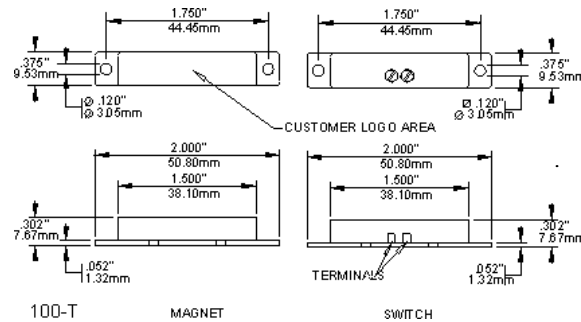
***Operated Load:** is activated by separating the magnet from the low voltage switch, which is wired to the power controller and will send line voltage to fixture or any other device to be controlled!

5.) Re-install Receptacle plate, light fixture cover plate or cover plate of device to be controlled and restore power to Circuit.



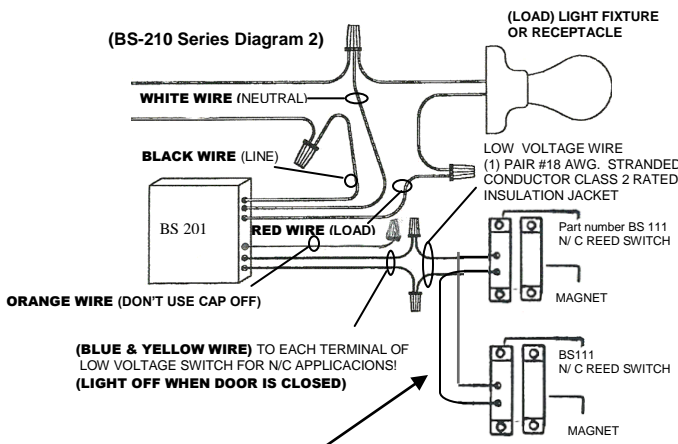
In accordance with the National Electrical Code, Article 725-54 (a), (1) Exception No.3, or the Canadian CE Code Handbook, Rule 16-212, Sub rule (4) —The BS Power controller can be wired to a remote Switch using Class 2 wiring methods. Check with your local electrical inspector to Comply with local codes and wiring practice.

BS 111 Switch & Magnet Dimensions



Power Rating: 120 VAC/60Hz. 10 AMP maximum
Resistive load only.

Conforms to ANSI/ UL std.508
Certified to CAN/ CSA std.
C22.2 No. 14



To install more than one BS111 reed switch to power controller, Home run a low voltage 2 conductor stranded 18 AWG class 2 insulation jacket wire from second reed switch location to power controller, connect new low voltage wire parallel with the first reed switch at power controller.