

# BS 200 Specification Sheet

## INSTALLATION:

1.) Turn Off Power at Circuit Breaker or Fuse Box for circuit to be worked on prior to removing cover plate exposing wiring from Light fixture, Receptacle or Device to be controlled.  
 2.) Route Low Voltage wire (1) pair stranded #18 AWG CLASS 2 rated insulation Jacket two conductor wire from Light Fixture, Receptacle or Device to remote Location where mounting of switch is located.

### 3.) Install Switch:

(EXAMPLE)

A.) Drill hole in top or hinge side of doorjamb, using a 3/8" Drill bit to allow switch to be pushed into hole using your thumb \*DO NOT DRIVE SWITCH INTO HOLE IF YOU CANNOT PUSH SWITCH INTO HOLE WITH THUMB, MAKE HOLE LARGER. Now make up # 18 AWG conductors to screw terminals on bottom of switch (Landing lugs) before mounting switch. **Be careful not to over tighten.** The reasons for this switch location so that if door does not close all the way the light will turn off anyways.

B.) Drill 3/8" hole in door side and install magnet with thumb. \*NOTE: The switch and magnet should line up as close as possible with minimum gap between them 1/2" Max. Non-Rated Switches are not recommended for use in steel doors and Jambs without an applicable size spacer. **(BS-250 for steel doors with 3/4" spacer)**

4.) **Install Power Controller:** You must provide a single pole disconnect switch on line side of controller, making up conductors per diagram. After all the connections have been made, the BS-200 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)

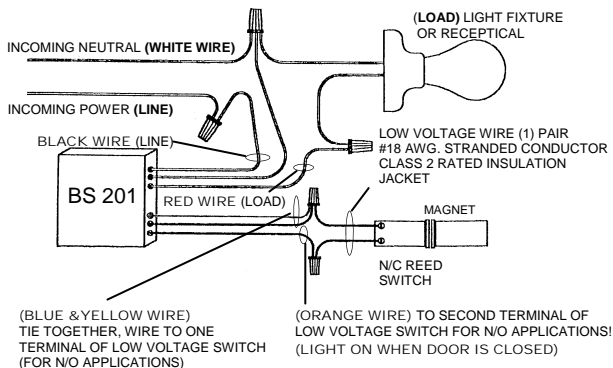
C.) **N/O installation, Light is on** when door is closed! Use **(DIAGRAM NO.1)** Tie the Blue & Yellow Low Voltage wires together, then Make up wire to one terminal **(Landing Lug)** of remote switch using **(CLASS 2 TWO CONDUCTOR WIRE #18 AWG.)** see DIAGRAM NO. 1, Make up Orange wire to second terminal **(Landing Lug)** of remote switch using the second wire of the (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, will send line voltage to fixture or any other device to be controlled!

D. **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, will send line voltage to fixture or any other device to be controlled!

**(BS-200 Series Diagram 1 )**  
BETTERS WITCH POWER

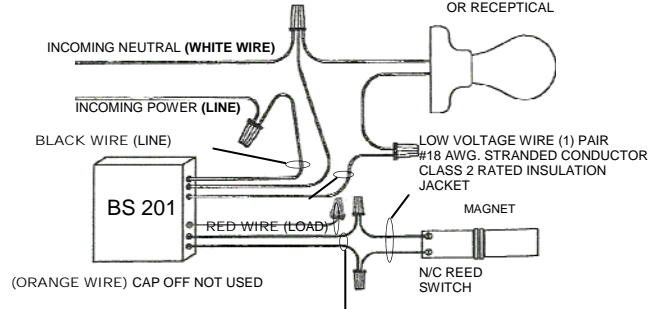


(BLUE & YELLOW WIRE)  
TIE TOGETHER, WIRE TO ONE  
TERMINAL OF LOW VOLTAGE SWITCH  
(FOR N/O APPLICATIONS)

(ORANGE WIRE) TO SECOND TERMINAL OF  
LOW VOLTAGE SWITCH FOR N/O APPLICATIONS!  
(LIGHT ON WHEN DOOR IS CLOSED)

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.

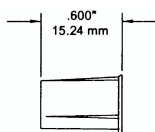
**(BS-200 Series Diagram 2)**  
BETTERS WITCH POWER



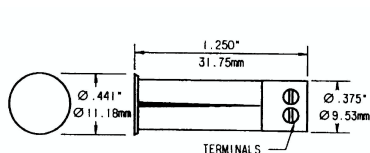
Conforms to ANSI/ UL std. 508  
 Certified to CAN/ CSA std.  
 C22.2 No. 14

(BLUE & YELLOW WIRE)  
ONE WIRE TO ONE TERMINAL OF  
LOW VOLTAGE SWITCH, SECOND  
WIRE TO SECOND TERMINAL OF  
LOW VOLTAGE SWITCH  
(FOR N/C APPLICATIONS)  
(LIGHT OFF WHEN DOOR IS CLOSED)

3/8" Magnet



3/8" Reed switch



Use A Sharp drill bit to keep wood from splitting on jamb.

3/8" Drill bit to install reed switch and magnet in door jamb and door.

Class 2, two conductor Stranded wire #18 AWG required from reed switch location to power controller location.

## Installation Tip

In Rough drill 3/4" or 7/8" diameter hole in header, towards hinge side of door, This helps when setting finish for the finish carpenter installing door jambs, he can drill the 3/8" hole in jamb for reed switch and doesn't have to be real accurate because he has a 3/4" hole in header to hit with the 3/8" hole for the switch, to enable switch to slide up into jamb with out hitting header. The reason why I say to drill the hole near hinge side in header this helps when the door doesn't get closed all the way it will still turn light off!