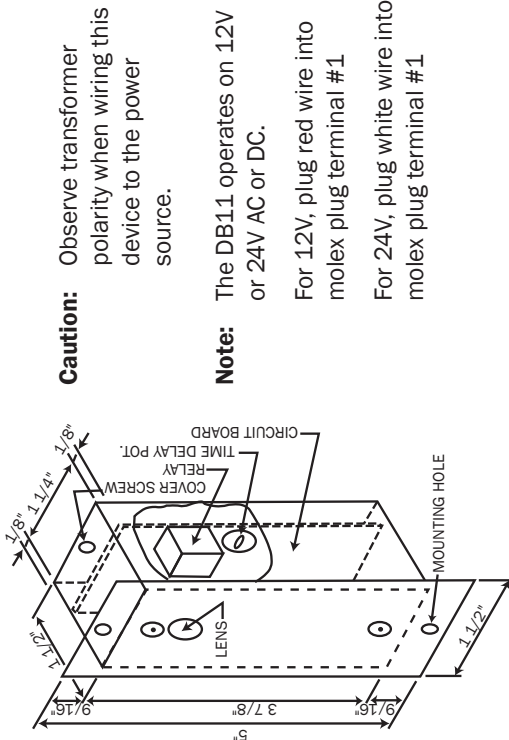


## Model DB11 Installation Instructions

### INSTALLATION INSTRUCTIONS

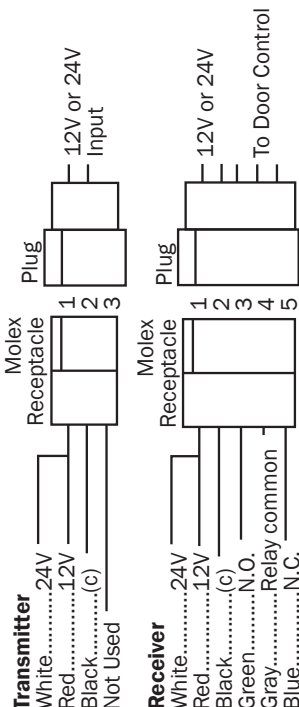
- A wiring harness with molex connectors is provided for wiring convenience.
- Insert either white or red wire into pin 1 of the molex connector, depending on the input voltage used. The remaining wire should then be cut off or insulated with tape.
- Relay contacts will change state if the beam is interrupted or if the power is lost to either the transmitter or receiver.
- The receiver comes with factory set time delay of 0.5 seconds. To readjust the delay, remove the cover by removing the two screws on the rear of the receiver. The adjustment can now be accessed with a small flat blade screwdriver. Clockwise adjustment increases the delay time while counterclockwise adjustment decreases the time delay.
- Two sensors and one DB11 are typically powered from a single 24V AC 20VA transformer.



**Caution:** Observe transformer polarity when wiring this device to the power source.

**Note:** The DB11 operates on 12V or 24V AC or DC.  
For 12V, plug red wire into molex plug terminal #1  
For 24V, plug white wire into molex plug terminal #1

### WIRING CONNECTIONS



### SPECIFICATIONS

- Range.....0 to 40 feet
- Power.....12V to 24V AC or DC, 100mA
- Relay Output.....Form C (N.O. or N.C.)
- Output Rating.....1 Amp at 125V AC
- Temperature.....0 °F to 140 °F, (32 °C to 60 °C)
- Time Delay.....0.5 to 5 seconds
- Finish.....Anodized Clear and Dark Bronze Aluminum

### WARRANTY

MS SEDCO guarantees the DB11 to be free from manufacturing defects for one (1) year from date of shipment. If, during the first year, the DB11 fails to operate and has not been tampered with or abused, the unit can be returned prepaid to the factory and it will be repaired or replaced without charge. Except as stated herein, MS SEDCO extends no warranties, expressed or implied, regarding function, performance or service.

# DB11

## Recess Mounted Safety Beam

## INSTALLATION INSTRUCTIONS

If arcing occurs between the door frame and the DB11 chassis, it is an indication that one side of the secondary of the transformer is grounded. This may occur intentionally or inadvertently through other devices connected to the same transformer. The voltage difference may be measured as shown in the diagram.

To assure proper operation of the DB11 beam set, reverse the power connections to both the DB11 transmitter and receiver. When connected correctly, no voltage will be measured.

The diagram depicts both connection methods.

