INSTRUCTIONS

For Sectional Type Doors

1. Check the Door Balance
2. Install the User Safety Label
3. Prepare to Hang the Operator
4. Connect the Safety Beam
5. Install the Belt Drive

SAFETY NOTES

1. Do not apply power until the door is fully closed and both safety sensors are aligned. The door must be fully closed and any sensors must be aligned before applying power to the door.
2. The safety beam receiver may not accept the grounded operator receptacle on the ceiling or near the operator head. If none is available which will accept the grounded operator receptacle, the unit should be connected to a non-grounded electrical circuit.
3. To prevent electrocution or fire, installation and operation must be performed by a qualified electrician and building codes.
4. The operator should be connected to a grounded 3-wire electrical system with a common ground. This ground is needed for proper operation of the safety sensors. This ground must be a permanent connection between the operator and the building. The ground wire should be a separate conductor, preferably of the same size as the power wires. If the operator is grounded through a separate ground electrode conductor, the ground wire should be a separate conductor sized 4 AWG or larger.

INSTALLATION INSTRUCTIONS

1. Read and follow all installation instructions before proceeding.
2. Install only on a properly balanced garage door. An improperly balanced garage door could result in serious injury or death. Repairs to cables, springs, and other hardware must be made by qualified service personnel before installing the operator.
3. Use the operator only with sectional overhead doors no more than 16' tall.
4. Disassemble and remove all ropes connected to the garage door before installing the operator.
5. Use a 1/4-20 x 2" carriage bolt (not supplied) to attach the door bracket 2" to 4" below the top edge of the door; or, if there is a structural support across the top of the door, attach bracket 2" to 4" above the structural support. Align the horizontal centerline on the wall with the centerline of the bracket. See the figure to determine the mark. Make the left and right holes in the bracket.
6. Slide the 1/16" to 1/32" clear plastic through one hole in door bracket to cover the hole. Insert the other hole of the door bracket into the hole in the wall bracket and secure with a 7/16" hex screw.
7. Reattach the receiver's lens.
8. Use a pencil to mark the two bracket holes.
9. Hold the bracket on the center line with the edge of the closest joists to fasten the header bracket onto.
10. Close the door and use a pencil to mark the header beam location.
11. Mark the left and right holes of the bracket.
12. Use a "C" socket to twist the unit to the operator's terminals (either wire to either terminal).

WARNING

1. Always double check the safety beam wiring before applying power to the door. If the safety beam beacon does not turn on, check the power source, wiring, and light bulb.
2. Do not power the operator until the door is fully closed and both safety sensors are aligned. The door must be fully closed and any sensors must be aligned before applying power to the door.
3. Do not attempt to service or repair the operator. The door must be fully closed and any sensors must be aligned before applying power to the door.
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2. The safety beam receiver (the unit with two safety beam lights) must not be obstructed by the door, or any part of the door. If any part of the door obstructs the safety beam, the safety beam indicator will be activated, and the door will stop. If the door obstructs the safety beam, it will not turn on, check the power source and light bulb.
3. The operator should be connected to a grounded 3-wire electrical system with a common ground. This ground is needed for proper operation of the safety sensors. This ground must be a permanent connection between the operator and the building. The ground wire should be a separate conductor, preferably of the same size as the power wires. If the operator is grounded through a separate ground electrode conductor, the ground wire should be a separate conductor sized 4 AWG or larger.

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11 Aligning the Infrared Safety Beam

The safety beam has two components, a sender and a receiver. The sender produces a narrow infrared beam that travels across the door opening to the receiver. If the door travels beyond the receiver, it will stop and reverse. The infrared beam is interrupted if the door is closed, the door will stop and reverse. A safety beam will trigger alarms from all remote controls in open and the infrared safety beam is blocked or out of alignment. In this case, the door can be closed by pressing and holding the wall station’s up or down arrow button. The beam is checked for the door is closed, the door will stop and reverse. If necessary, the operator’s internal door force sensor will not activate, the door will stop and reverse. The infrared beam is interrupted if the door is closed, the door will stop and reverse. A safety beam will trigger alarms from all remote controls in open and the infrared safety beam is blocked or out of alignment. In this case, the door can be closed by pressing and holding the wall station’s up or down arrow button. The beam is checked for the door is closed, the door will stop and reverse. If necessary, the operator’s internal door force sensor will not activate, the door will stop and reverse.

- **WARNING**
  - THE RED LIGHT INDICATES THE IR SENDER. DRAWING IN Montage the beam on the receiver and respond to sound.

9 Using the Garage Door Operator

IMPORTANT USER SAFETY INSTRUCTIONS

**WARNING**

A MOVING GARAGE DOOR CAN CAUSE INJURY OR DEATH! TO REDUCE THE RISK OF INJURY OR DEATH:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. NEVER ATTEMPT TO OPERATE THE DOOR WITHOUT THE REMOTE CONTROL OR INSTRUCTIONAL MATERIALS.
3. KEEP ALL REMOTE CONTROL TRANSMITTERS OUT OF REACH OF CHILDREN.
4. KEEP ALL REMOTE CONTROL TRANSMITTERS AWAY FROM THE DOOR PHOTOCELL.
5. IF ADOPTED, THE DOOR REVERSAL FEATURE SHUTS THE DOOR IF AN OBJECT BLOCKS THE PHOTOCELL.
6. TO PREVENT DAMAGE TO PERSONS OR PROPERTY, THE OPERATOR WILL NOT RELEASE THE DOOR TO TRAVEL UNLESS THE OPERATOR TO CLOSE THE DOOR.