

SUBJECT

Tips on the MC-15

April 4, 2000

INSTRUCTIONS

The purpose of the MC-15 is to:

- a) provide a safety circuit where none exists, and
- b) lock out presence sensors during the closing cycle.

Note: MC-15 cannot be used with any non-B.E.A. products.

Installation:

1. Connect RED and BLACK wires to the motor leads. On Horton 7160 or Entrance Technology 7010 controls, connect the RED and BLACK wires to the coil of the activation relay. On LCN ES7982 control, connect the RED and BLACK wires to the Air Cylinder Solenoid valve A or B, using the supplied resistor on the RED wire.
2. Connect ORANGE and BROWN wires to 24 VAC.
3. Set meter to DC scale. Connect meter leads to the Data Wires: RED meter lead (+) to RED with WHITE stripe, and BLACK meter lead (-) to WHITE.
4. Readings should be as follows (approximate):

Door Position	VDC Readings
Closed	0
Opening	12
Back Check	12
90 Degrees	12
Closing Sweep	7

5. If voltage is correct, complete wiring as prescribed in manual. If voltage is incorrect or missing, refer to the troubleshooting section below.
6. The RED LED on the MC-15 should come on when presence is detected in the door CLOSED position. The GREEN LED should come on when presence is detected in door OPEN position.
7. The Dip switches determine the Lock-out time of the presence sensor during the closing cycle. Where applicable, the DK-12 or Bodyguard's LED should remain off during the entire closing cycle.

Troubleshooting:

1. If Data voltage is incorrect or missing, reverse the RED and BLACK wires.
2. Recheck Data voltage readings. If voltage is still missing or incorrect check the ORANGE and BROWN wires for 24 VAC at the connector.
3. If voltage is present, remove power from the door control and sensors.
4. Using the meter, perform resistance or continuity checks on RED, BLACK, RED w/ WHITE stripe and WHITE wires from the connector of MC-15 to the door connections.
5. Repair connections and reapply power to the door control and sensors.
6. Recheck Data voltages. If voltage is still missing or incorrect, reverse the RED and BLACK wires.

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call B.E.A., Inc.
For further assistance during Eastern Standard Time at
1-800-523-2462 from 7am - 5pm or 1-800-407-4545 from 5pm - midnight & weekends.

DO NOT leave any problem unresolved. If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made. **NEVER** sacrifice the safe operation of the automatic door or gate for an incomplete solution.