



# Patriot® Maintenance Instructions

The Patriot line of non-contact edge sensors have been designed to transmit an infrared light beam from an emitter to a receiver located along the bottom edge of a motorized door. When the beam is broken, it sends a signal to the motor operator to stop or to stop and reverse. Fault conditions, (relay closure) are caused by an obstruction or blockage between the transmitting & receiving units; by a wiring problem; or by a power loss.

Following these basic maintenance guidelines will assure proper operation of the product.

Please perform the following basic maintenance and testing frequently (Monthly, at a minimum, or more often):

1. Check to be sure transmitting & receiving units are clean and free of debris.  
Clean with a soft bristle brush (a small paint brush will work)
2. Test the unit's operation by:
  - a- Opening the door to the full open position
  - b- Start closing the door and place a 2" high obstruction to break the beam between the emitter and receiver eyes. (a 2x4 piece of lumber will work). Vary the placement of the obstruction testing the reversing function when it's placed in the center, left and right side of the opening.
3. Check junction boxes to make sure they are securely attached with no cracks. If the box has been cracked or damaged, water may seep into the box creating possible shorts.
4. Check to make sure all wiring connections are secure.
5. Check visually for cut, frayed or pinched wires.
6. Verify the function of the diagnostic led indicator lights on the Patriot control panel according to the chart below:

## LED OPERATION STATUS / DIAGNOSTICS

LED COLOR	OK STATUS	FAULT	FIX
RED	OFF=RELAY OPEN	ON=RELAY CLOSED	
YELLOW	OFF	ON=BROKEN WIRE or EYE	REPLACE EYES
GREEN	FLASHING	OFF=NO 24VAC or DEFECTIVE CHIP	VERIFY POWER, IF OK REPLACE CONTROL UNIT

NOTE: LED indicators are located on the board inside the Control Unit

If the unit fails one or more of these checks, discontinue use and contact a professional door dealer for repair or replacement.