

## FAQ – Patriot2™



**The revolutionary Patriot system combines the benefits of point of entrapment sensing edge protection with the appeal of a non-contact sensor. Travelling ahead of the door during the closing cycle, the eyes provide an invisible beam of protection. When the beam is interrupted by an obstruction, a signal is sent to initiate a stop or reversal of the door. When the door reaches it's fully closed position, the Patriot retracts. To ease installation on a variety of applications, the thru beam photo optics are inserted into your choice of Z-Flap or Telescopic mounting brackets.**

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Q. What is included in a Miller Edge Patriot2 Non-Contact Sensing Edge?

A. The Patriot series of sensing edges includes of an Emitter Eye, and a Receiver Eye, plus the appropriate hardware. Fail-safe (MIRF) versions include a separate controller.

Q. How do I know the eyes are properly aligned?

A. When the optics are properly aligned, the green lights on both eyes will be lit. During initial start up lights will flash for up to 1 minute. When indicator lights are steady, you may begin to make any alignment adjustments.

Q. What does a flashing green light mean on the MIRF controller?

A. The flashing green light indicates that the controller is receiving power, the eyes are properly aligned and the micro-processor is functioning normally.

Q. The red LED on the MIRF control unit is on steady. What does this tell me?

A. A solid red LED indicates the on-board relay has de-energized, which is a fault condition.

1. Begin fault discovery by first making sure there is nothing obstructing the “beam” and make certain the eyes are in alignment.
2. Check to be sure wire connections are secure.

Q. Are there any special tools needed to install or service a Patriot?

A. A few tools will help make installation and trouble shooting easier:

1. A laser pointer or level is handy for installing and checking eye alignment.
2. A digital volt meter (DVM) or analog is ESSENTIAL for troubleshooting the system.

Q. Why do I need a DVM?

A. A meter will help you determine if voltage is being fed to a device or if you have a shorted or open wire. A high quality DVM will pay for itself in 1 or 2 service calls in time savings.

Q. How far of a span will a Patriot protect?

A. That depends upon the model selected.

Distances up to 30 feet: MIRF-T2 or MIRF-Z2  
Distances up to 50 feet: MIRF-T2-50 or MIRF-Z2-50

Q. Does Patriot2 comply with UL325-2010 for commercial door operators?

A. Patriot2 models beginning with “MIRM” have been independently tested to comply with the standard for monitored entrapment protection devices. Compliance with individual manufacturer’s operators requires these part numbers be included in the operators’ installation instructions.

Fail-safe models beginning with MIRF are intended for use with pre-2010 commercial door operators and include a separate fail-safe controller.

Q. How can I obtain additional support?

A. We’re always willing to help so feel free to contact us at your convenience.

By phone:	Eastern US and Canada	800-220-3343
	Western US and Canada	800-887-3343
	Outside USA or Canada	1-610-869-4422 (e.s.t.)
		1-480-755-3565 (m.s.t.)

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