

FAQ – MEL™ (Monitored Edge Link)



MEL provides a wireless signal transmission from an edge sensor to operator controls, eliminating the need to hard wire these devices.

MEL is universal and features the ability to detect the presence and function of a monitored entrapment protection device for operators that accept this feature. It also accepts non-monitored devices. Response is operator dependent. MEL has been independently tested as a UL325 recognized component for door and gate systems.

Q. What batteries should I use in the MEL transmitter?

A. To assure battery life use only size “AA” Lithium batteries

Q. What frequency does MEL operate on?

A. 315mHz

Q. For post UL325-2010 commercial door operators, do I still need to match the edge termination type and Signature Module™ to the operator brand?

A. No. Any 2 conductor terminated edge, transmitting through MEL will work on any major brand and does not require a separate Signature Module.

Q. Can MEL be used with pre-August 29, 2010 UL listed commercial door operators?

A. Yes. MEL works with both monitored or non-monitored edge sensors on door or gate operators manufactured prior to August 29, 2010.

CAUTION: Gate operators or commercial door operators manufactured prior to this date may not include certain safety features including but not limited to the ability to revert to constant pressure to close if an external entrapment device has a fault.

Q. How do I connect MEL to pre-August 29, 2010 UL listed commercial door operators?

A. CAUTION: The operator may not monitor for the connection and operation of the edge sensor and may not revert to constant pressure. If the external protection device malfunctions or is disconnected the only indication may be the led on the MEL-RX20.

There are 2 Options for using MEL on older operators:

1. Use a monitored 10k or diode-capacitor terminated edge sensor and move the jumper on the MEL-RX20's relay output to the matching position or,
2. Use a standard non-monitored 2-wire edge sensor and connect to the MEL-RX20's non-monitored KO output.

Q. Is MEL suitable for outdoor use?

A. Yes, the MEL transmitter is in a NEMA4 enclosure. For outdoor installations, the MEL receiver should be housed within the operator or other watertight enclosure for protection.

Q. Can MEL be used to provide a wireless connection for monitored photo eyes or optic edge sensors?

A. No. MEL can only be used to transmit a signal from an electrically activated edge sensor. This includes monitored electrical configurations: 4 conductor, and 2 conductor with termination. MEL also accepts 2 conductor non-monitored configurations, in which case the edge sensor is not monitored for connection and faults may go undetected.

Q. How do I wire a 4-wire edge?

A. Use a resistor 10k or diode-capacitor to connect 2 wires (one black & one white), connect other black and white wires to the monitored SE or PE output on the MEL-RX20.

Q. Can I use a standard 2 wire non-terminated edge?

A. Yes but it will not be monitored. Connect to the non-monitored KO output on MEL-RX20. You may also want to consider using MWRTA02; our 2-wire edge transmitter with built in audible alarm and receiver.

Q. How do I connect operator manufacturer provided PE and edge?

A. Connect the photo eye as normal to the photo eye terminals in the operator. Connect MEL to the SE terminals in the operator.

Q. How do I connect an audible or visual external low battery alarm?

A. MEL on-board diagnostics provides a low battery red led indicator light. MEL allows the installer to attach an external audible or visual alarm. The low Battery output on the MEL-RX20 is designed for low power alarms: 5 VDC @ 25 mA

Q. How often does MEL check for connection & operation of edge?

A. This varies depending upon the type of edge termination but, in all cases, MEL checks more often than once/second

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	001-610-869-4422

Website: www.milleredge.com

Email: info@milleredge.com