APEX 2000 DEVICE WITH MLR OPTION

Q: What is MLR?

A: MLR is a prefix option for the PRECISION APEX 2000 Exit Device that refers to Motorized Latch Retraction. Using a Power Supply, MLR provides momentary or continuous latch and push bar retraction.

Q: In what applications is MLR primarily used?

A: MLR devices are an ideal solution for integrated exit device access control solutions requiring operational noise reduction such as hospitals, schools, museums, auditoriums, theaters, etc. In addition, MLR devices are commonly used in conjunction with automatic operators. The MLR enables the latch to be retracted so the operator can then open the door.

Q: What certifications does the MLR option adhere to?

A: The MLR option is UL Listed Panic & Fire, UL 305, UL 10C, ANSI/BHMA 156.3 Grade 1 and FVSU/FVSU7.

Q: What is the difference between MLR (Motorized Latch Retraction) and ELR (Electric Latch Retraction) devices?

A: MLR devices are quieter and require less current than ELR devices. This is due to the motor in the MLR devices in lieu of the solenoid found in ELR devices. In addition, ELR devices only retract the latch while MLR devices retract the latch and the push bar.

Q: What exit devices is MLR compatible with?

A: The MLR option can be ordered with any of the PRECISION APEX 2000 exit devices.

Q: How do I order the MLR option with a PRECISION APEX 2000 exit device?

A: MLR is a prefix option ordered with the APEX 2000 nomenclature. How to Order Example: 3RO MLR 2103 630.

Q: Can I retrofit an APEX 2000 standard exit device or an APEX 2000 ELR device currently installed in the field with the MLR option?

A: Yes, a conversion kit is available to order that allows you to retrofit an existing device. The respective part number for the kit is: MLR-K. A power supply would also need to be ordered. Please note that motorized latch retraction is not compatible with mechanical dogging.

Q: What are the power requirements for the MLR exit device?

A: The MLR exit device requires 24 Volts DC @ 1 Amp and a holding current of 250mA. Other factors must be taken into consideration when selecting a power source, i.e. wire run, wire gauge, other electrical loads, etc.

Q: Does STANLEY offer a power supply?

A: We have two power supply offerings. We offer the RPSMLR2 as a standard power supply. The RPSMLR2BB is also available which is housed in a larger enclosure to accommodate for battery backup. Batteries are not included.

Q: Do we have to use a STANLEY power supply?

A: You do not have to use a STANLEY power supply. You can use any 24V DC filtered and regulated power supply to operate the MLR device.

Q: Does the MLR option have a calibration setting for new installation or retrofit applications?

A: Yes. Please reference the installation instructions for additional information.

Q: Does MLR come terminated with the quick connect option?

A: Yes, the MLR ships standard with quick connect.

Q: Once engaged, how long does the latch stay retracted?

A: The latch can stay retracted continuously or intermittently. The timing that the latch stays

Q: How many wires does the MLR option require?

A: The MLR option requires 2 power wires and 2 switch feedback wires. However, termination of the 2 switch feedback wires is optional. These two wires are used to provide positive confirmation of latch retraction when used in combination with the RPSMLR2 or RPSMLR2BB power supplies.

Q: What are the wire gauge requirements for the varying distances between the exit device and the power source?

A: The wire gauge requirements are base upon the following distances:

- Up to 200 feet with 18 gauge wire
- Up to 320 feet with 16 gauge wire
- Up to 500 feet with 14 gauge wire
- Up to 800 feet with 12 gauge wire

Q: What door widths is the MLR option compatible with?

A: The MLR option can accommodate the following door widths:

- 2’6” Applications: no field cutting; 2’6” openings ONLY
- 3’0” Applications: no field cutting; 3’0” openings ONLY
- 4’0” Applications: field cutting permitted down to 3’4” openings

Q: What is the lead time for an APEX 2000 MLR device?

A: The average lead time for an APEX 2000 MLR device is less than 2 weeks.

Q: What warranty does the MLR option have?

A: The MLR option has a 1 year electrical warranty.