

Motorized Latch Retraction (MLR) Exit Device



Top-quality exits with less noise, lower current requirements, and longer wire runs.

PRECISION Motorized Latch Retraction (MLR) exit devices feature the top-quality materials and robust engineering you expect from PRECISION, while **reducing noise, lowering current requirements, and allowing for longer wire runs** compared to power hungry solenoid-driven products. Perfect for use in applications that require more flexibility and quieter performance, PRECISION MLR engineering integrates easily with existing security frameworks.



Choose PRECISION for uncompromised quality, design, and performance.

PRECISION exit devices are preferred by customers in a wide variety of industries, including education and healthcare. The Motorized Latch Retraction (MLR), available on the entire APEX 2000 series, adds increased functionality and flexibility throughout the product line.



PRECISION MLR Exit Device Specifications	
Certifications	UL-listed panic and fire UL 305 UL10C Certified ANSI/BHMA 156.3 Grade 1 FVSU/FVSU7
Power Requirements	24 Volts DC @ 1 Amp Holding current 250mA <i>Note:</i> Although PRECISION Power Supplies are not required, RPSMLR2 & RPSMLR2BB Power Supplies are available.
Wire Count	Two brown/white non-polarized power wires Two blue/yellow non-polarized sensor wires <i>Note:</i> Termination of the sensor wires is optional, but provides positive confirmation of latch retraction when used with the RPSMLR2 or RPSMLR2BB Power Supplies.
Opening Width Range	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
Retrofit Kit	The MLR option can be ordered as a field retrofit kit to accommodate existing APEX 2000 Series exit devices MLR can be retrofitted to existing ELR exit devices To order the retrofit kit, specify MLR-K <i>Note:</i> MLR is not compatible with certain product options. For example, MLR is not compatible with mechanical dogging. Please consult the factory for additional details.
Wire Run	Maximum wire runs between the power supply and device are as follows: 200 feet with 18 gauge wire 320 feet with 16 gauge wire 500 feet with 14 gauge wire 800 feet with 12 gauge wire

The PRECISION RPSMLR2 Series is the recommended power source for PRECISION Motorized Latch Retraction (MLR) exit devices. The RPSMLR2 Series provides a code compliant source of filtered and regulated 24 Volt DC power. The RPSMLR2 Series is available in two enclosure sizes and they can each power up to (2) MLR exit devices.

PRECISION RPSMLR2 Series Power Supplies Standard Specifications	
Certifications	UL 294 ULC S-319
Input Power	120 VAC
Input	Fire alarm termination
Output Power	2 filtered & regulated 24 Volts DC outputs @ 2 Amps Holding current 200mA 1 filtered & regulated 24 Volts DC auxiliary output @ 0.8 Amps
Output	2 normal open relay outputs Outputs can be wired for 2 different modes: - 1 second delay prior to relay output - Positive confirmation of latch retraction prior to signaling the operator when used in conjunction with MLR exit device sensor wires
Battery Backup (RPSMLR2BB only)	Built in charger for sealed lead acid or gel batteries Automatically switches to stand-by if AC fails Charging current 650mA max Batteries are not included
Visual Indicators	AC power, green LED – Indicates presence of AC power Triggered input, 2 red LEDs – Indicates input activation Fire alarm interface, green LED – Indicates fire alarm activation Battery status, red LED – Indicates low battery during AC power failure
Enclosure Dimensions	RPSMLR2: 12.5"x7.5"x3.25" RPSMLR2BB: 13.5"x13"x3.25"
Security	Keyed enclosure

Features

PRECISION MLR Exit Devices

- **Reduced operational noise.** MLR advanced motor technology reduces noise, making it ideal for hospitals, nursing homes, schools, museums, auditoriums, theaters and libraries.
- **Low current requirement.** Each MLR requires 24 volts @ 1 amp.
- **Long distance wire runs.** The low current requirements enable long distance wire runs of up to 800 feet for added flexibility and better aesthetics.
- **Easy integration.** The MLR-K retrofit kit easily incorporates MLR technology to your existing mechanical PRECISION exit devices.
- **Seamless interface and universal function.** The MLR exit device interfaces with automatic door openers, card readers, push buttons, toggle/key switches, and fire alarm systems to provide both momentary and continuous remote latch retraction.
- **Durable and reliable.** PRECISION exit devices are UL tested to 10 million cycles and designed with investment cast steel chassis and internal design features to provide maximum security and long-term durability.
- **Top-quality materials and manufacturing.** PRECISION exit devices cut no corners.
- **Superior performance and reduced maintenance.** Internal design features like single-spring operation and vandal resistance make the difference.
- **Aesthetic design.** Contemporary styling and true architectural finishes allow compatibility with the latest architectural trends or classic styling.
- **Widely compatible.** MLR solutions work with all PRECISION APEX 2000 series exit device products, including rim, surface vertical rods, and concealed vertical rods.

Preferred by many of the nation's largest education and healthcare facilities, PRECISION is a leader in panic and fire exit device products.