



Motorized Latch Retraction (MLR) Exit Device by BEST

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

Motorized Latch Retraction (MLR) exit devices feature the top-quality materials and robust engineering you expect from BEST, while reducing noise, lowering current requirements, and allowing for longer wire runs compared to power hungry solenoid-driven products.

Available on the entire PRECISION 2000 series for increased functionality and flexibility.

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. 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.

- **Reduced operational noise.** MLR advanced motor technology reduces noise, making it ideal for hospitals, nursing homes, schools, museums, auditoriums, theaters and libraries.
- **Durable and reliable.** BEST 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.
- **Superior performance and reduced maintenance.** Internal design features like single-spring operation and vandal resistance make the difference.



Perfect for use in applications that require more flexibility and quieter performance, BEST MLR engineering integrates easily with existing security frameworks.

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

Choose BEST for uncompromised quality, design, and performance.

BEST 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 PRECISION 2000 series, adds increased functionality and flexibility throughout the product line.

BEST MLR Exit Device Specifications		Features
Certifications	UL-listed panic and fire UL 305 UL10C Certified ANSI/BHMA 156.3 Grade 1 FVSU/FVSU7	BEST MLR Exit Devices <ul style="list-style-type: none">• Low current requirement. Each MLR requires 24 volts @ 1.5 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 BEST 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.• Top-quality materials and manufacturing. BEST exit devices cut no corners.• 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 BEST PRECISION 2000 series exit device products, including rim, surface vertical rods, and concealed vertical rods.
Power Requirements	24 Volts DC @ 1.5 Amp Holding current 250mA Note: Although BEST 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 Note: 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 PRECISION 2000 Series exit devices MLR can be retrofitted to existing ELR exit devices To order the retrofit kit, specify MLR-K Note: 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 BEST RPSMLR2 Series is the recommended power source for BEST 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.

BEST 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: <ul style="list-style-type: none">- 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

PH-0230

For questions about ordering and to be sure you get the right configuration for your needs, [contact your BEST dormakaba sales representative](#).
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