

8000 SERIES

ELECTRIC LATCH RETRACTION EXIT DEVICE



Operation

The Electric Latch Retraction (ELR) feature provides a remote means of unlocking exit devices. Once the latch bolt is retracted, the exit door is immediately changed to a push-pull operation. It is used for high security exit doors that require access control, or any room and place which needs quiet operation for opening the door such as conference rooms, libraries, hospital operating rooms, movie theaters.

Features

- Available with all 8000 series exit devices
- Motor driven latch retraction for quiet, smooth, precise operation
- Just use a standard electric hinge with 4 wires, no special power transfer required*
- It can be held in the retracted state indefinitely**
- UL approved for Class II Circuit applications
- The device always allows free egress
- Fully retractable latch bolt(s) for momentary unlatching or extended periods
- Regular hex-key dogging or cylinder dogging is not available on ELR exit devices
- Special dogging on chassis cover is available if needed. Prefix HD-ELR is available for the exit device model when ordered

* ELR exit device does not include an electric power transfer or electric hinge from door to frame, or power supply and door control (key switch or keypad). If required, order separately.

** You may use our 1440-TD power supply with an adjustable time delay between 1 second and 60 minutes if your application requires a delay for latch bolt extension upon release of activation switch.

Specifications

Electrical Input Requirements:

- Filtered and Regulated Power Supply
- Voltage: 24VDC \pm 10%
- Current: 1A MAX Inrush, 400mA MAX Holding
- Non-polarized Leads

Additional Specifications:

- Compatible with 1440-TD power supply with an adjustable time delay between 1 second and 60 minutes (for applications requiring a delay for latch bolt extension upon release of activation)
- Does not include electric power transfer or electric hinge from door to frame
- Power supply & door control (key switch or keypad) not included, must be ordered separately if required

Additional Functions:

1. REX (Request to Exit) Switch
 - Used when need to know whether the exit device is operated from the inside
 - Can be used as a request to enter this signal switch to security systems for monitoring the push bar
2. Latch monitor
 - Used when need to know whether the latch is extended or retracted
 - Can be used with security systems to monitor the latch, to signal the door opening or not
3. DPS (Door Position Switch)
 - Used when need to know whether the door is opened or closed

Certification

- UL/cUL listed, UL listed as:
 - Panic Exit Hardware
 - 3-hour Fire Exit Hardware

Model No. examples:

ELR8610S-36-US26D

(Panic-rated Rim exit device + ELR, 36", US26D)

ELR8830S-48-US32D

(Panic-rated SVR exit device + ELR, 48", US32D)