



## Electric Latch Retraction Exit Devices

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The Electric Latch Retraction (ELR) feature provides a remote means of unlocking exit device, once the latch bolt(s) 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, etc.

Our ELR exit device is a motor driven design that can fully retract the latch bolt(s) either for momentary unlatching or for an extended period of time. If the manual dogging is required on ELR exit device, the regular hex-key dogging or cylinder dogging is not available, but a special dogging on chassis cover is available. If needed, prefix HD-ELR the exit device model when ordered.

### FEATURES

- Available for our types of Grade 1 Panic and Fire rated exit devices
- Motor driven latch retraction for quiet, smooth, precise operation
- Only 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 allows free egress at all times

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

### ELECTRICAL INPUT REQUIREMENTS

Filtered and Regulated Power Supply

Voltage: 24VDC  $\pm$  10%

Current: 1A MAX Inrush, 400mA MAX Holding

Non-polarized Leads

\*\* 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.

## ADDITIONAL FUNCTIONS

The ELR exit device may have the following additional functions if required.

### 1. REX (Request to Exit) Switch

If need to know whether the exit device is operated from the inside, use as a request to enter this signal switch to security systems for monitoring the push bar.

### 2. LM (Latch Monitor)

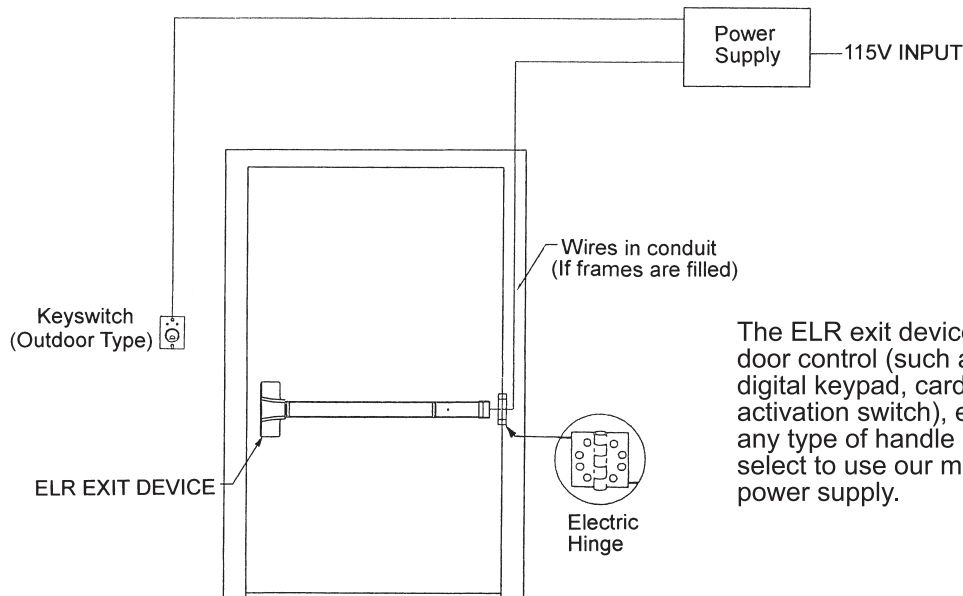
If need to know whether the latch is extended or retracted, use with security systems to monitor the latch, to signal the door opening or not.

### 3. DPS (Door Position Switch)

If need to know whether the door is opened or closed.

## WIRING AND POWER SUPPLY

### ELR Exit Device on Single Door Application (With automatic door operator)



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