ED93 ELECTRIFICATION

Motor Driven Latch Retraction Exit Device-ED93 QLR

APPLICATION

Electric Latch Retraction feature allows for remote unlatching of exit device. It gives remote keyless access control in high traffic conditions where exit devices are required, such as hospitals, airports and schools. They are also commonly used with automatic door operators

The ED93 Motor Driven latch retraction (QLR) exit device uses electronic motor technology, which allows faster, quieter and smoother latch pullback compared to the solenoid activated latch retraction

Motor technology use a substantially lower pulse of current (compared to solenoid activated devices) to retract latch bolt, and using even less power to hold them retracted. It's a perfect choice for hospitals, libraries and any area that requires reduced noise

SPECIFICATIONS

Voltage Range	22 to 30V DC system protection (unit shuts down when voltage exceeds 30V DC)
Current Draw	1 A for 400ms, 125mA holding (dogged) thereafter electronic travel adjustment approximately 1/4"

FUNCTION

ED93 Exit device with QLR retracts the latch bolt by power either momentarily or for extended periods of time, allowing for outside access or auto operator integration. When power is out, the device and latch are secured (Fail Secure). Inside push pad of exit device always allows for emergency egress

Motor driven electric latch retraction (QLR) function is available for ED93 Series Rim, SVR and mortise devices

FEATURES

Fast, quiet and smooth operation
Low surge current draw
Improved efficiency and strength
Electric dogging
6' power cable with quick connect
Up to 300' wire run with 18/2 wire, provide cost savings by using less power supplies for multiple devices
Compatible with most 24V DC, 1A (or greater) regulated power supplies. Please see page 14 for power supply options, order separately
On board self-diagnostics

SWITCHES

A variety of monitoring switches are available for INOX ED93 exit devices. All switches are SPDT (single pull, double throw) and available for the following applications either installed with ED93 exit device or as kits

REX - Request-to-Exit Switch
Request-to-Exit switch sends a signal to alert the control panel that the door is about to be opened by someone intending on entering a secured area

LBM - Latchbolt Monitor Switch
Latchbolt Monitor switch sends a signal to control panel to monitor the position of latchbolt

ELECTRIFIED EXIT ESCUTCHEON TRIM

APPLICATION

Electrified exit escutcheon trim allows outside lever locked or unlocked electronically for access control. It is commonly used for stairwell or access-restricted areas with conditions where fire/life safety codes require a "fail safe" condition, which is not an option with electrified latch retraction devices

SPECIFICATIONS

Voltage requirement: 12V AC/DC or 24V AC/DC
Amperage: 250mA@12V or 150mA@24V

SWITCH

REE- Request to Enter Switch

Request to Enter (REE) Switch can be added to the ED93 escutcheon trim. It is a SPDT (single pull, double throw) switch that sends a signal to alert the control panel that the door is about to be opened by someone intending on entering a secured area

FEATURES

Continuous duty solenoids for cooler operation during continuous-on applications
Standard plug-in rectifier allows for an AC or DC power source
Low current draw

FUNCTIONS

EDES07NL-EL
Storeroom Electronically Locked (Fail Safe)
Outside lever LOCKED electronically (EL). Switched power (de-energized) allows outside lever to retract latch. Loss of power will cause outside lever unlocked (Fail Safe). Outside key momentarily unlocks outside lever to retract latch. Inside push pad of exit device is always free for immediate egress

EDES07NL-EU
Storeroom Electronically Unlocked (Fail Secure)
Outside lever UNLOCKED electronically (EU). Switched power (de-energized) locks outside lever. Loss of power will cause outside lever locked (Fail Secure). Outside key momentarily unlocks outside lever to retract latch. Inside push pad of exit device is always free for immediate egress

OPTIONS

CRU12i - Current Reduction Unit

A current reduction unit is recommended in "continuously on" applications to reduce heat and extend solenoid life
The unit intelligently detects 12V to 30V AC/DC input voltages and converts it to a dynamic voltage to power a 12V DC solenoid efficiently. This eliminates the need for manual current adjustment, and increase the life of solenoid. Energizes 12V locking devices only