

Installation Instructions

Electrified Lever

ELS Option for Models - XT/LX/PX



Overview

The ELS option electrically enables the secure-side lever with the application of 24 VDC signal (12 VDC available on special order). The ELS option is preinstalled from the factory, and the connections are terminated at the hinge side of the door via a thru-wire hinge or other power transfer devices. The internally mounted, low current, solenoid is rated for intermittent and continuous duty, and is factory set for fail-secure or fail-safe operation.

Fail-Secure - As long as the 24VDC signal remains, the lever can be rotated to retract the top (or top and bottom) latches. Once the power is removed, the lever handle cannot be rotated.

Fail-Safe – With no power applied, the secure-side lever can be turned to retract the latch(es). With 24VDC power applied, the lever cannot be rotated.

Fire Alarm Control Panel (FACP) - Since the ELS option does not interfere with the positive latching requirements of fire doors, connection to the fire alarm panel is at the discretion of the AHJ.

Electrical Specs:

Voltage	Duty	Resistance	Power	Current
24VDC (+/-)	Cont./Intermittent	116 Ω	5 watts	207 mA

Suggested Tools / Supplies Required:

- PS210 Power Supply
- Common hand tools
- Multimeter
- Splice Connectors
- 18 ga. (min.) 2-wire conductor appropriate for the installation

All products must be installed and maintained in compliance with all local and national building, life-safety, and electrical codes

Sample Wiring Diagram

This diagram reflects the use of the Syntégra PS210 Power Supply. See PS210 instructions further for details. Turn off the 120VAC circuit breaker at the panel before making these connections. The two power wires from the ELS devices to the PS210 are not polarized.

