

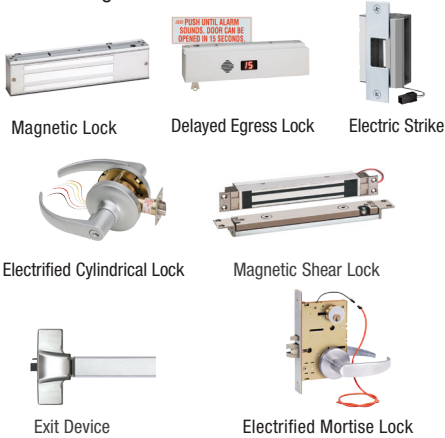
Keeping You Connected



Electrified Hardware Component Selection

1 Locking Devices

- Electric Strike
- Delayed Egress
- Electrified Lockset
- Electrified Exit Device
- Frame Actuator Lockset
- Magnetic Lock



2 Access Controls

Standalone or Network

- Keyswitch
- Digital Keypad
- Card Reader



3 Egress Devices

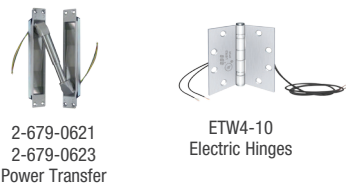
- Exit Switch
- PIR Egress Sensor
- Exit Sense Bar
- Emergency Door Release



4 Electric Power Transfer Devices

Required With Locksets & Exit Devices

- Electric Through Wire (ETW) Hinge
- Power Transfer Loop
- Electric Power Transfer (EPT)
- Electrified Roton



5 Door Position Sensors



6 Power Supply & Door Controllers

2901

Power Supply

- Designed to operate exit devices equipped with electric latch retraction (ELR)

2902

Power Supply

- Designed to operate exit devices equipped with electric latch retraction with day/night mode feature (ELR)

2903

Power Supply

- Provides power for Fail Safe or Fail Secure locking devices
- 24 VDC output; 2 AMP capacity
- Filtered/regulated

2904

Power Supply

- Provides power and control for openings with an electrified locking device and automatic door operator
- 24 VDC output; 2 AMP capacity
- Filtered/regulated

2908

Power Supply

- Modular
- Provides power for Fail Safe or Fail Secure locking devices
- 12/24 VDC output; 1 AMP capacity
- Filtered/regulated

2909

Power Supply

- Modular
- Provides power for Fail Safe or Fail Secure locking devices
- 12/24 VDC output; 2 AMP capacity
- Filtered/regulated

Low Energy Power Operator Component Selection

1 Low Energy Power Operators

8400 Series

Premium Low Energy Power Operator

- Single Operator
- Paired Operator
- Double Egress Operator
- Single Operator Paired with Mechanical Closer

8200 Series

Economy Low Energy Power Operator

- Single Operator
- Paired Operator
- Double Egress Operator



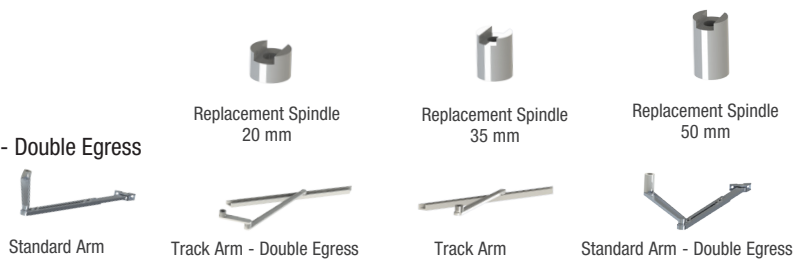
2 Parts & Accessories

8400 Series

- Track Arm
- Standard Arm
- Standard Arm - Double Egress
- Track Arm - Double Egress
- Replacement Spindle

8200 Series

- Standard Arm
- Standard Arm - Double Egress
- Track Arms



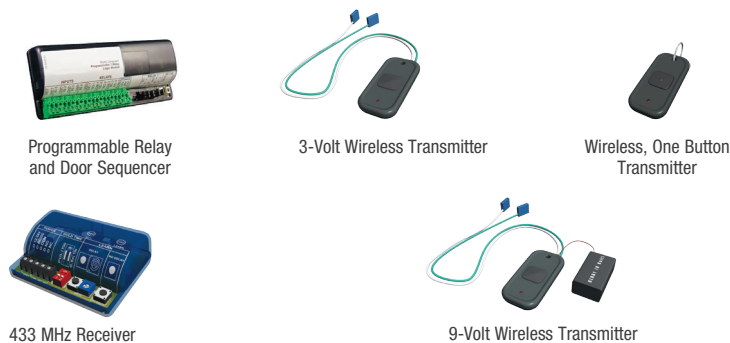
3 Actuators

- 4.5" Square Actuator
- 6" Square Actuator
- 4.5" Round Actuator
- 6" Round Actuator
- 1.5" x 4.75" Jamb Actuator
- 36" Low Profile Actuator
- 4.75" Vestibule Actuator
- Bollard Posts



4 Accessories

- 433 MHz Receiver
- 3-Volt Wireless Transmitter
- 9-Volt Wireless Transmitter
- Wireless, One Button Transmitter
- Programmable Relay and Door Sequencer



Tech Tips

Wire Run / Gauge Chart

AMPS	VOLTAGE	12GA	16GA	18GA	20GA
.25 amps	12	1500	600	375	225
.25 amps	24	3000	1200	750	450
1.0 amp	12	400	150	100	50
1.0 amp	24	800	300	200	100
2.0 amps	12	200	75	45	30
2.0 amps	24	400	150	90	60

Glossary

Alternating Current (AC) Electrical current that reverses direction (positive to negative... negative to positive) in a circuit at regular intervals.

Direct Current (DC) Electric current that flows in one direction.

Conductor An object allowing the flow of electric charge. Examples: electric wires, ETW hinges, EPT.

Fail Safe (FS) Lock or locking device that remains “unlocked” during loss of power.

Fail Secure (NFS - Non Fail Safe) Lock or locking device that remains “locked” during loss of power.

Load The object that dissipates electrical energy. Example: light bulb.

Power Supply, Regulated and Filtered An embedded circuit, it converts unregulated 120 AC power. Equipped with a transformer, it steps the power down into a constant 24 V. Its function is to supply a stable voltage (or less often current), to a circuit or device that must be operated within certain power supply limits.

Switch An electrical component that can break an electrical circuit, thus turning it off or on.