

## V-Lock Hardware – Quick Facts

### I. General

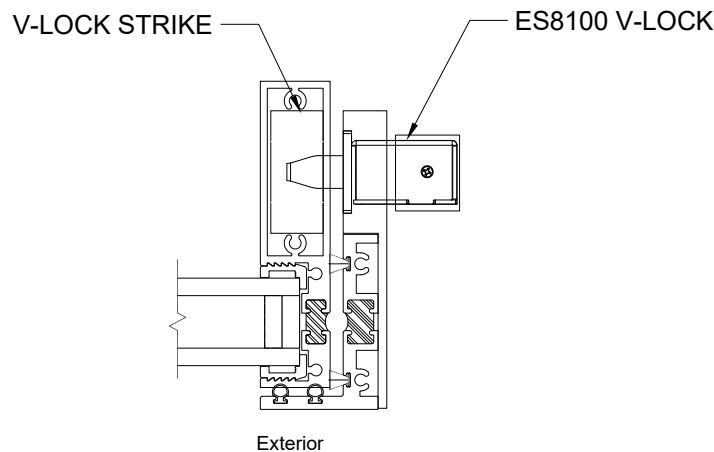
#### Basic Functions & Features

- ES8100 V-Lock rated at 2200-lbf.
- Automated locking when the door closes
  - The V-Lock will automatically lock when the power source is connected and turned on
- Remote access provided by home automation or user interface (not by Fleetwood)

#### Provided

- A high torque motorized bolt lock that is activated by a 24VDC or 12VDC power supply
- Fleetwood provides the Frame and Panel fabricated to assemble the V-Lock and the strike.
- Wiring for the V-Lock is accessible from the backside of the active jamb.
  - See the Installation Instructions for further instructions.
- V-Lock Testing Kit (for testing the operation of the door during installation only)

**Note:** The V-lock can only be located in a Jamb.



V-Lock and Strike Locations

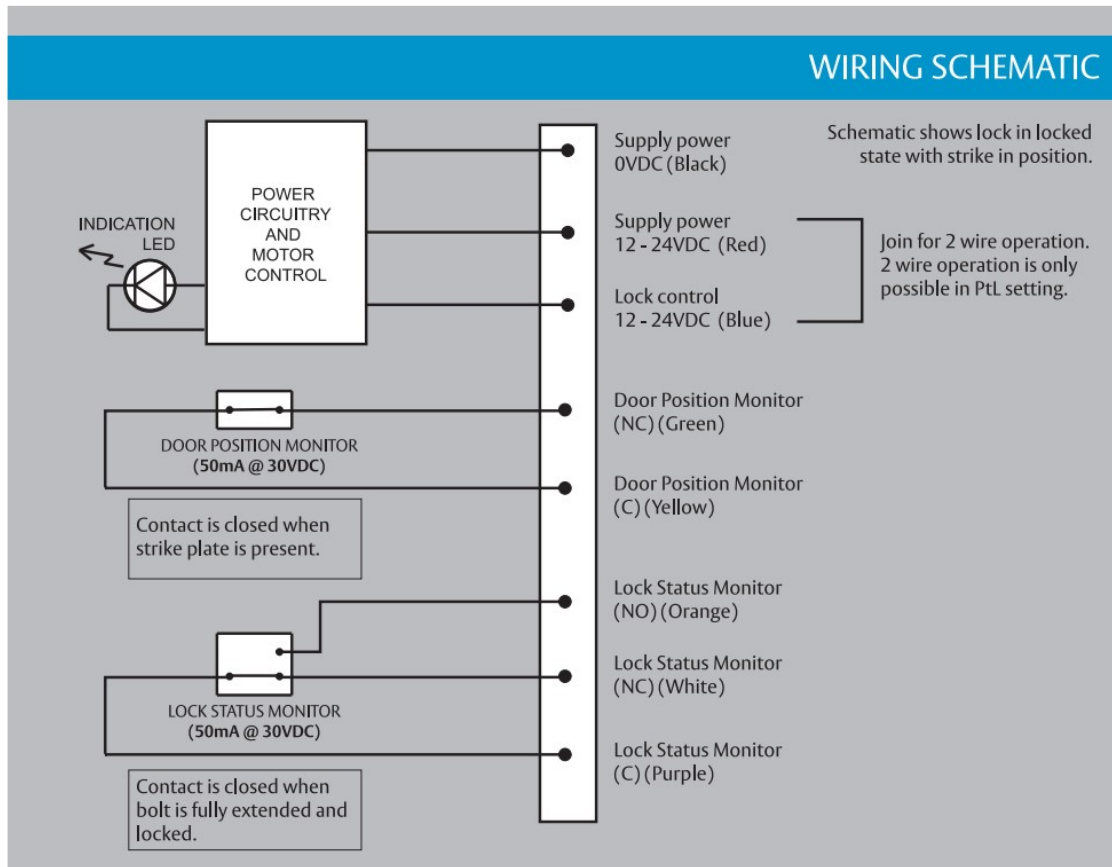
#### Not Provided

- Power Supply: 24VDC or 12VDC is required
- User Interface: Entry access system (e.g., keypad, biometric, etc.). The lock is easily integrated with home automation systems or an electronic switch interface.

#### Retrofitting

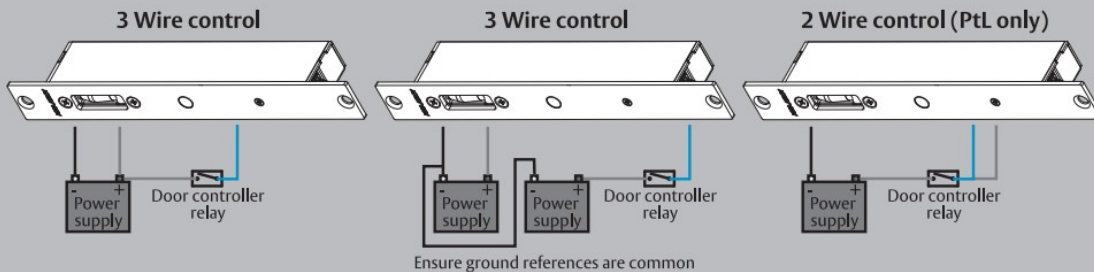
- Existing doors would require factory CNC fabrication. At a minimum, a new Locking Jamb and Lead Stile would be required.

## II. Connecting Diagram / Important Notes



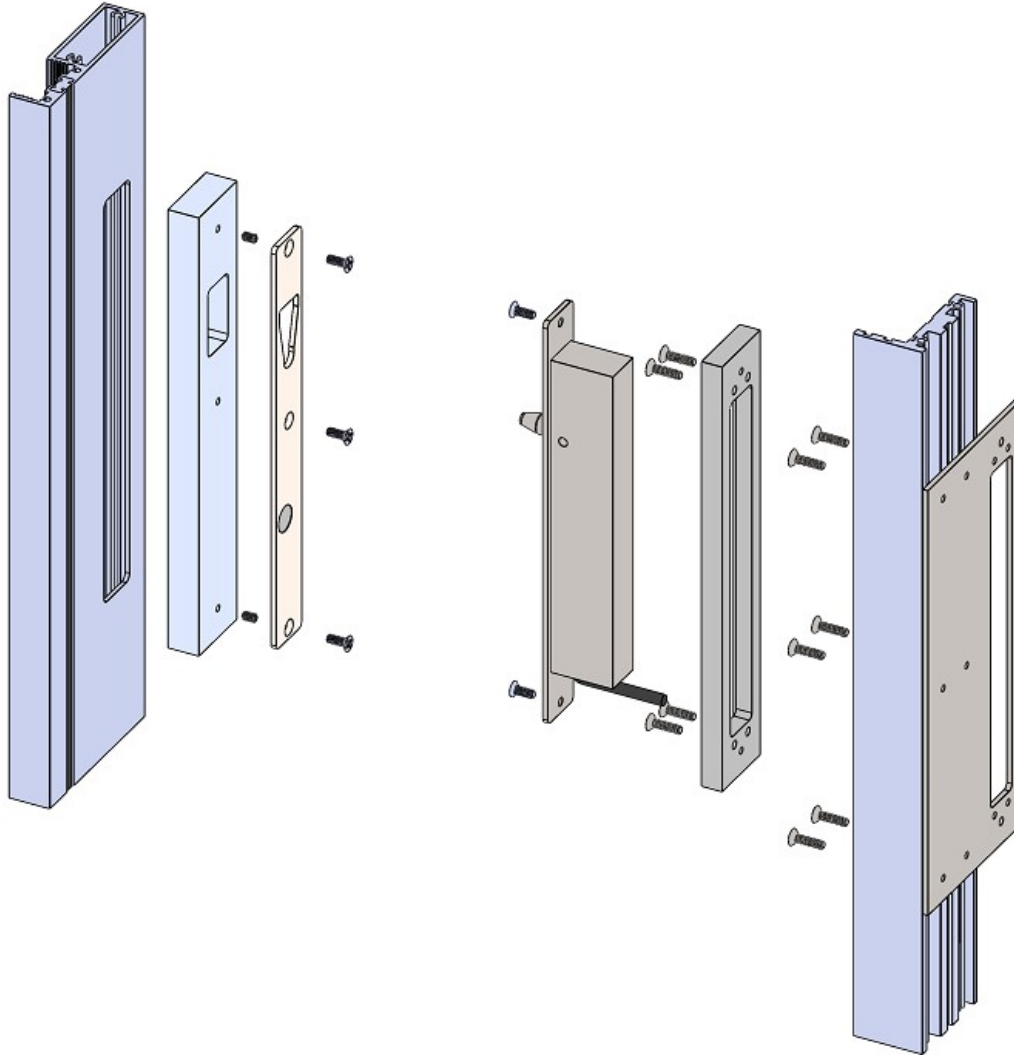
### WIRING NOTES

- 3 wire operation is recommended when using the ES8100 : V-lock.
- 2 wire operation is possible in PtL setting only. Lock will operate slower when operated in 2 wire mode.
- Ensure ground reference is common for both power (red) and control (blue) cables.



Cable gauge requirements					
Distance	Cable cross section	American wire gauge	Distance	Cable cross section	American wire gauge
5m	0.33mm <sup>2</sup>	AWG22	20m	1.31mm <sup>2</sup>	AWG16
10m	0.65mm <sup>2</sup>	AWG19	30m	1.63mm <sup>2</sup>	AWG14
15m	1.04mm <sup>2</sup>	AWG17	50m	2.05mm <sup>2</sup>	AWG12

III. Additional Images



V-Lock and Strike Assembly