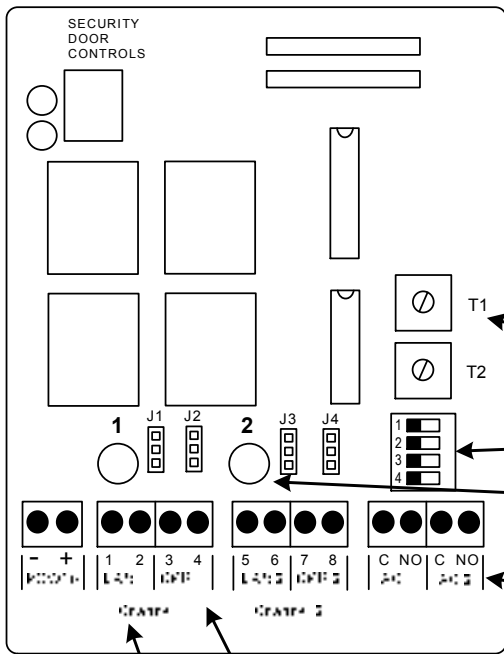




SECURITY DOOR CONTROLS

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INSTALLATION INSTRUCTIONS MODEL EMC ELECTRIC LATCH RETRACTION SEQUENCER MODULE



ELECTRICAL SPECIFICATIONS

EMC: Electric Latch Retraction Sequencer

- Input Voltage: 12VDC or 24VDC (+/- 10%)
- Input Current: 140mA max
- ELR & Operator Contacts: N/C or N/O, field selectable
10 AMP @ 30VDC (Resistive)
- Access Control Inputs: N/O Dry Contact

- ELR RELAY ACTIVATION PERIOD** T1, T2: Adjust to control the length of time that the ELR device output relay activates.
- DIP SWITCHES** SW1 – Select Single or Tandem Door activation. SW2 – Select time period to delay operator activation
- STATUS LED'S**: Provides a visual indication of the device latch status and relock timer status
- ACCESS CONTROL INPUTS**: A momentary closure will activate the ELR device. The device will release after the input is removed and the relock activation period has expired.
- DOOR OPERATOR OUTPUTS (OPR)**: Isolated relay contacts provide a delayed signal to activate the automatic door operator.
- ELR DEVICE OUTPUTS (BAR)**: Connect the SDC 6000FE, 6000PE, or LR100 device here.

SEQUENCER OPERATION:

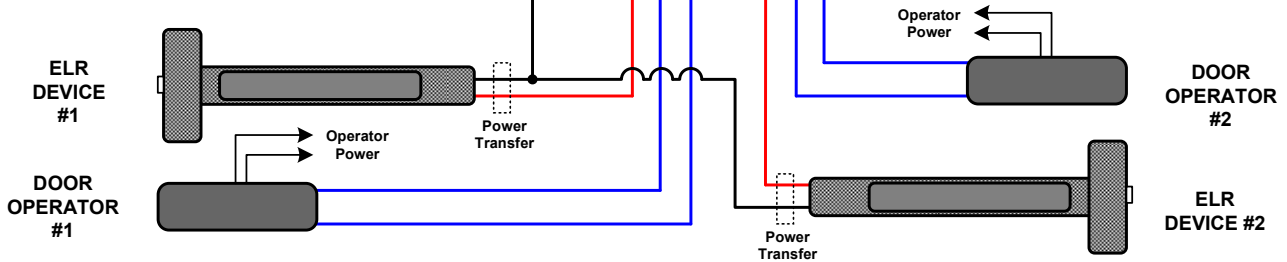
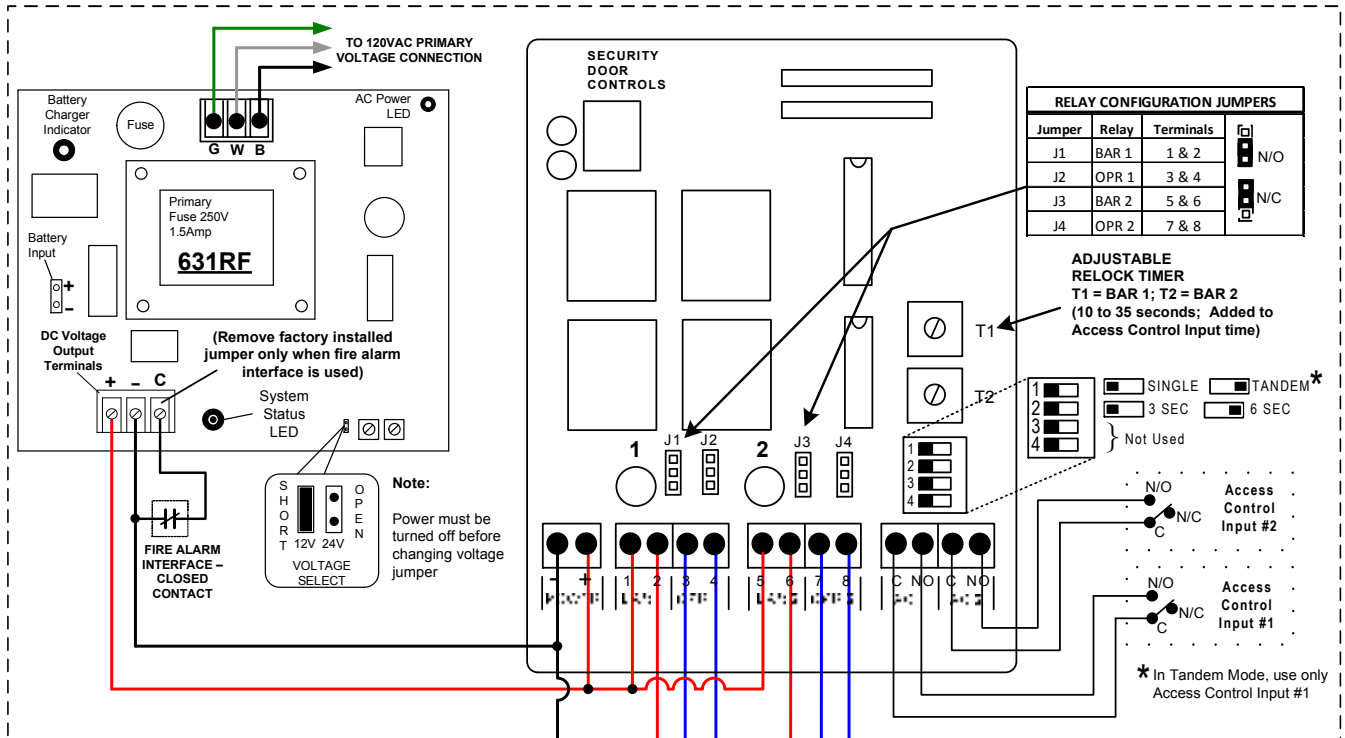
The EMC dual channel sequencer module may be used with the S6000FE, S6000PE, or LR100 series Electric Latch Retraction (ELR) device to provide a delayed signal to operate an automatic door operator or when powering a pair of ELR devices from a single SDC 600 series power supply.

The two sequencer channels may be operated as two independent doors or in tandem mode for pairs of doors. Each sequencer channel provides an output to power the ELR device and a “delayed” dry auxiliary output for activation of an automatic door operator. All outputs are field selectable as Normally Open or Normally Closed.

When the EMC is used in the tandem mode, power supply requirements for a pair of doors are minimized. Since the attached electric latch retraction devices are powered in a sequential manner, the inrush current of each device is staggered. This creates a lower current requirement upon activation. A smaller power supply can now be used to operate the pair of devices.

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

EMC TYPICAL WIRING

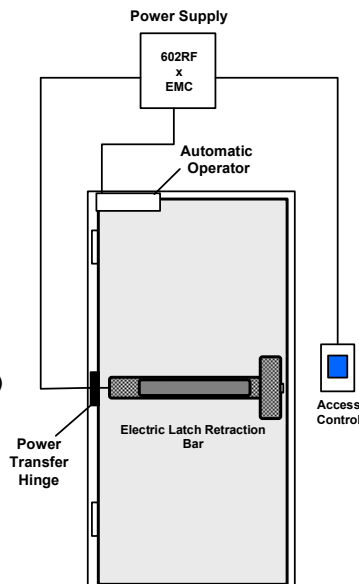


Recommended Electric Latch Retraction (ELR) Devices

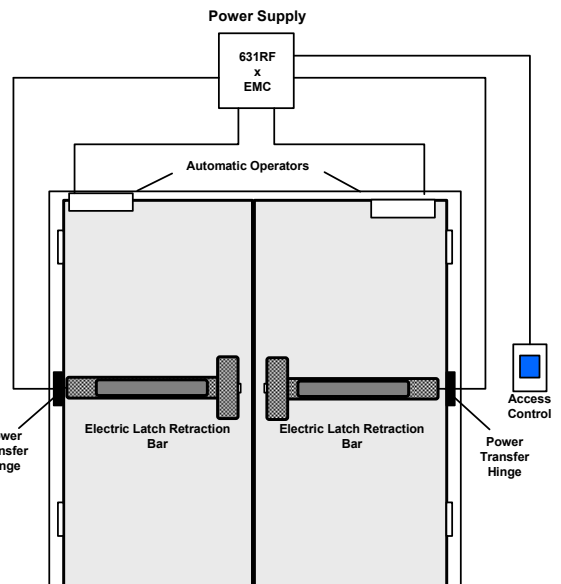
- S6000FE:** SDC ELR Fire Device
- S6000PE:** SDC ELR Panic Device
- LR100:** SDC ELR Retrofit Kit
- Input Voltage: 24VDC
- Current Req: 700mA Activation/ 200mA Holding

Recommended Power Supply

- 602RF:** 1A Regulated Power Supply (for single door applications)
- 631RF:** 1.5A Regulated Power Supply, (for two door or tandem applications)



SINGLE DOOR



PAIR OF DOORS (TANDEM)