

ELECTRICAL SPECIFICATIONS

Electric Latch Retraction Sequencer

Input Voltage: 12VDC or 24VDC (+/- 10%)

Input Current: 140mA max

Exit & Operator Contacts: N/C or N/O, field selectable
10 AMP @ 30VDC (Resistive)

Access Control Inputs: N/O Dry Contact

ELR RELAY
ACTIVATION
PERIOD

Adjust to control the length of time that the BAR 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.

EXIT DEVICE
OUTPUTS (BAR)

Goes inline with the locking device power or connects to the power booster for Hager ELR exit devices.

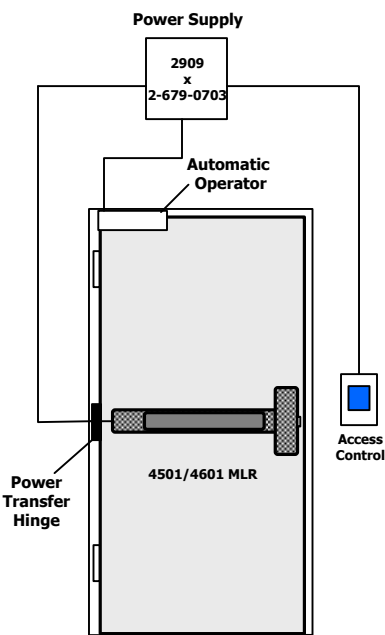
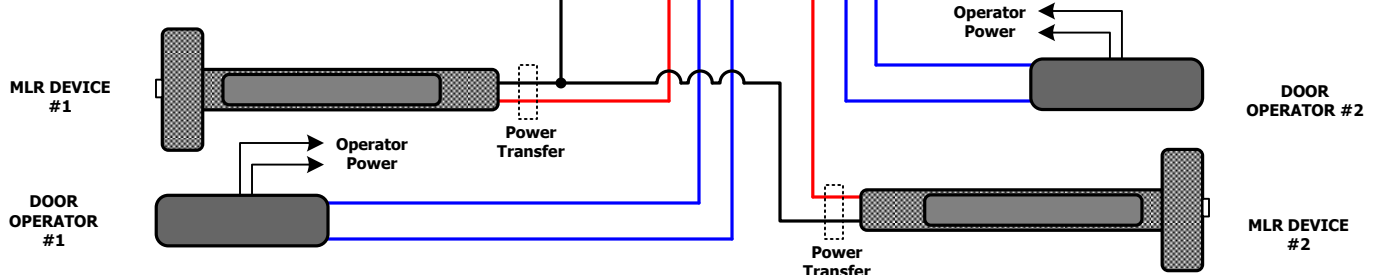
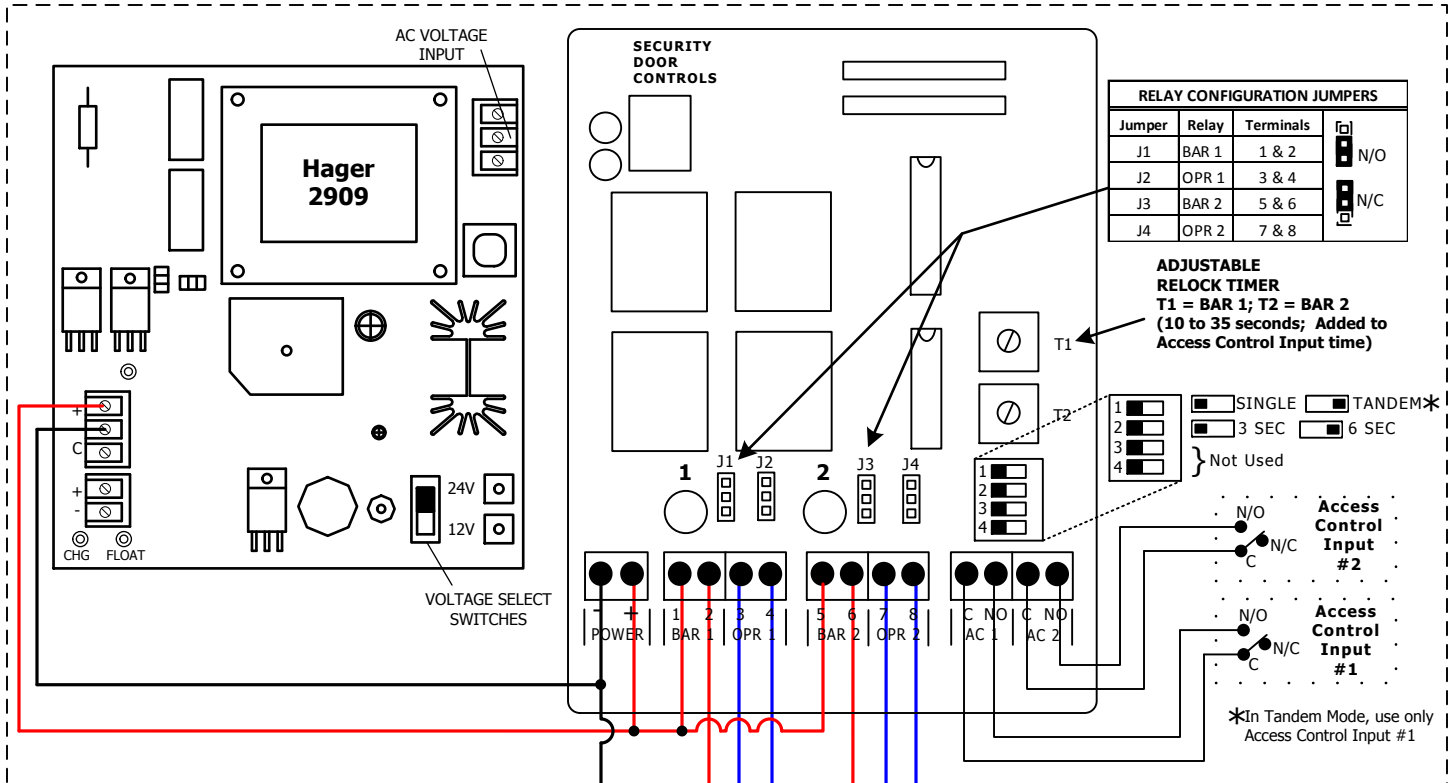
SEQUENCER OPERATION:

The electric latch retraction sequencer module may be used with any Hager latch retraction system such as the Hager 4501 ELR or the 4501 MLR, any Hager electric strike, or any Hager maglock to provide a delayed signal to operate an automatic door operator or when powering a pair of exit devices from a Hager 2909 power supply.

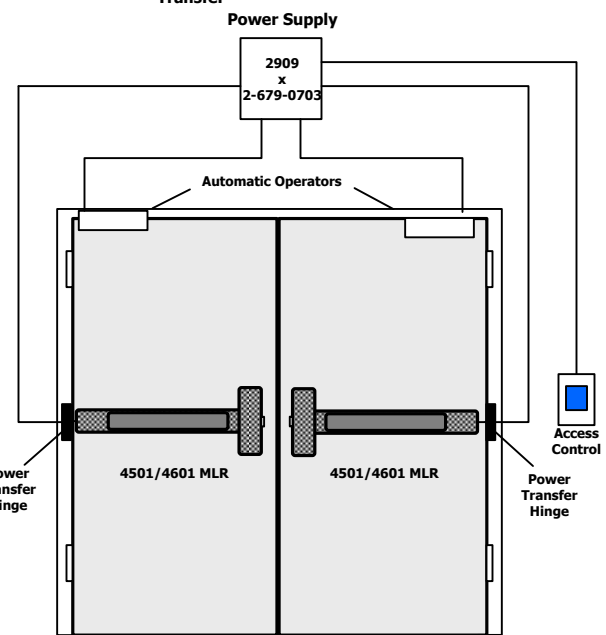
The two sequencer channels may be operated as two independent doors or in tandem mode for pairs of doors. Each sequencer channel provides dry output for powering the exit device and a “delayed” dry auxiliary output for activation of an automatic door operator. All outputs are field selectable as Normally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

When the Electric Latch Retraction Sequencer 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.

ELECTRIC LATCH RETRACTION SEQUENCER MLR TYPICAL WIRING



SINGLE DOOR



PAIR OF DOORS (TANDEM)

ELECTRIC LATCH RETRACTION SEQUENCER ELR TYPICAL WIRING

