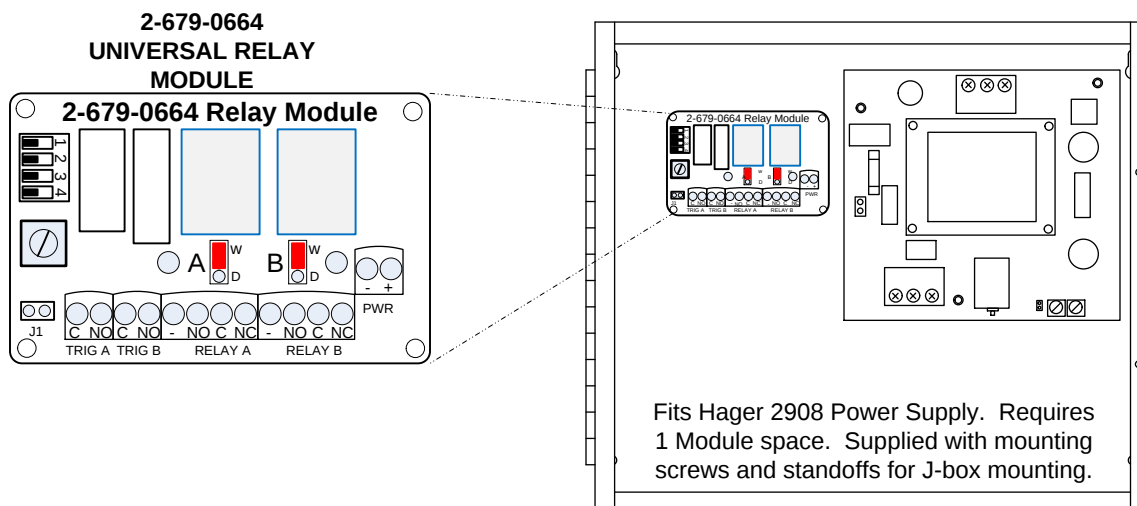


UNIVERSAL RELAY MODULE INSTALLATION INSTRUCTIONS

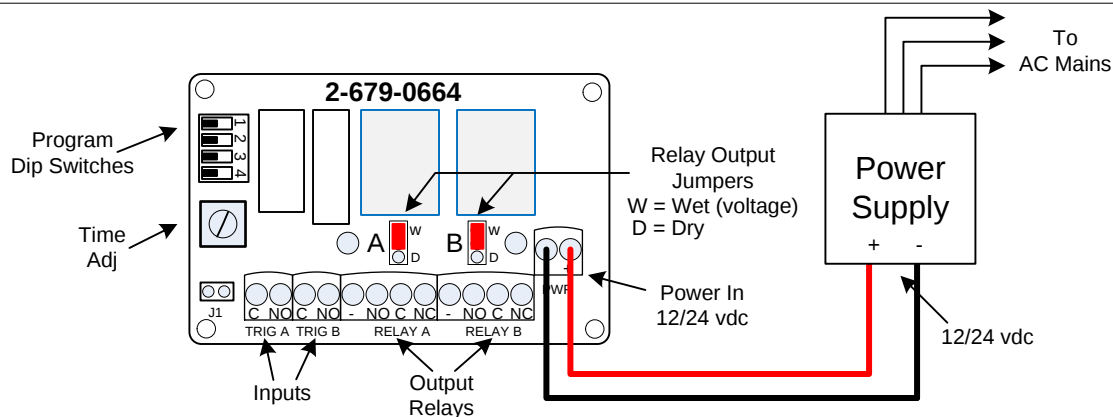


FEATURES AND BENEFITS

- Microprocessor based relay controller that provides multiple, field selectable operational modes for up to two door stations.
- Each output relay is field selectable as a dry contact or voltage output.
- Centralized wiring for all locks, access controls, monitoring contacts and peripheral equipment.
- 1 or 2 controllers may be installed in the Hager 2908 power supply
- Field selectable relay modes include:
 - Conventional Relay (CR)
 - Dual Conventional Relay (2X CR)
 - Time Delay Relay (TD) – 1 to 60 Seconds
 - Dual Time Delay Relay (2X TD)
 - Latching Relay (LR) – Separate Latch and Release Inputs
 - Dual Latching Relay – (2X LR) Pulse On, Pulse Off Inputs
 - Time Delay/Latching Relay
 - Interlock A (airlock)
 - Interlock B (2 modules required)

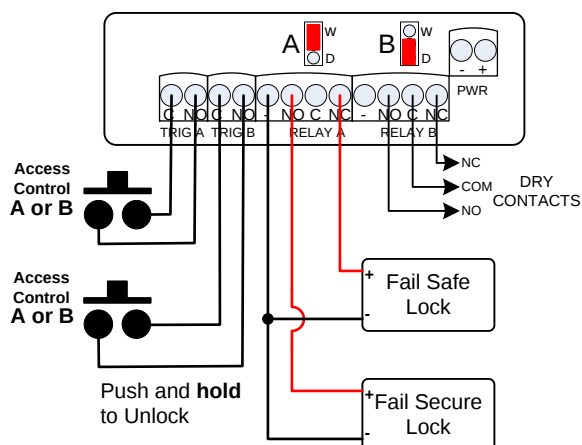
TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	12 or 24VDC +/- 10%
INPUT CONTROLLER CURRENT	120/175mA
INPUTS	2 ea Dry Signal Inputs
OUTPUTS	2 ea 10 amp @ 30VDC (resistive) SPDT Lock Outputs (Configurable Wet or Dry). Wet output voltage is the same as the module power IN voltage.
DIMENSIONS	3.20"W x 2.00" L x 1.0" H [81.28mm W x 50.8mm L x 25.4mm H]



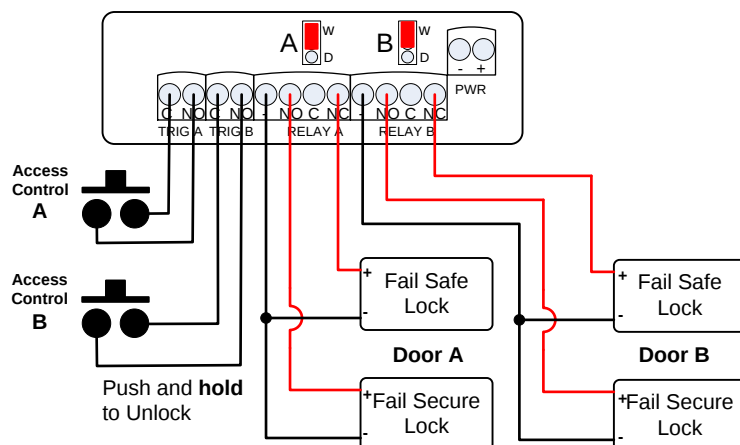
CR Mode

Switch No:	SW1	SW2	SW3	SW4
Position	off	off	off	off



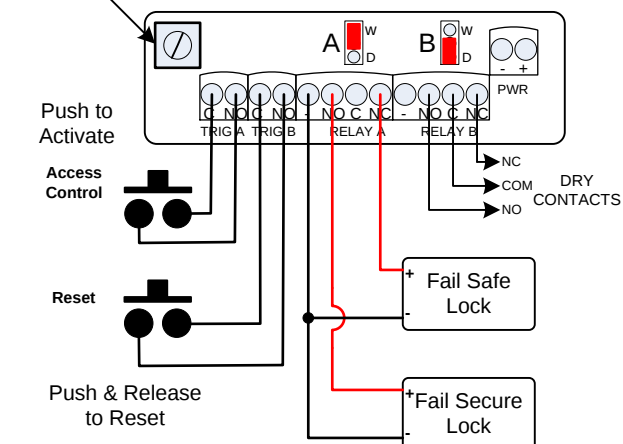
Dual CR Mode

Switch No:	SW1	SW2	SW3	SW4
Position	off	ON	off	off



TD Mode

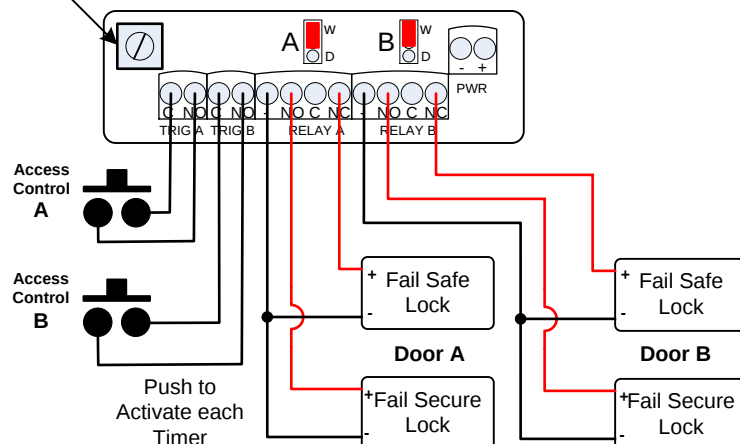
Switch No:	SW1	SW2	SW3	SW4
Position	off	off	ON	off



Dual TD Mode

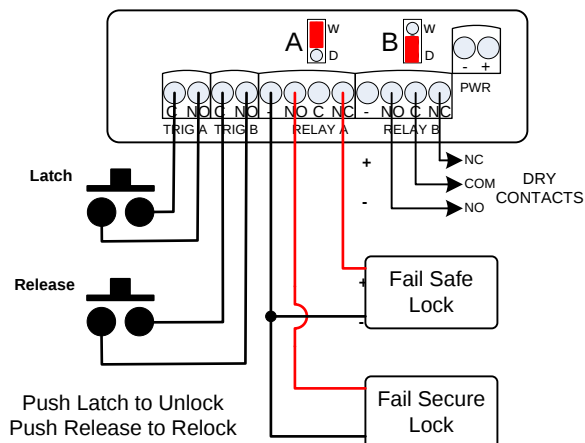
Switch No:	SW1	SW2	SW3	SW4
Position	off	off	off	ON

Time Adj
1 - 60 Sec
(Both A & B same time setting)



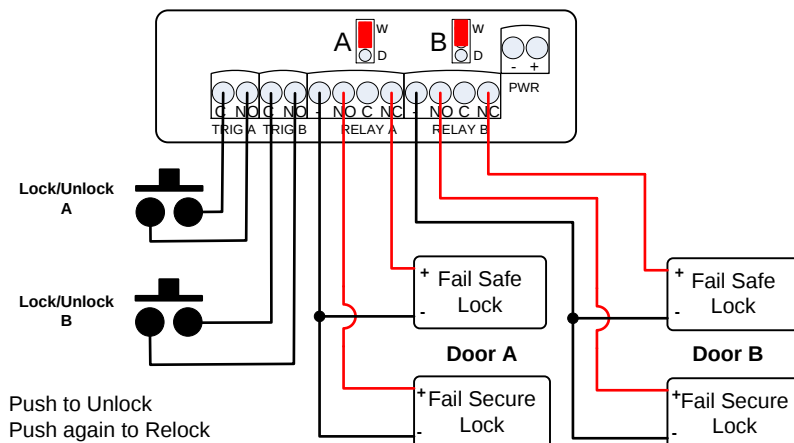
LR Mode

Switch No:	SW1	SW2	SW3	SW4
Position	ON	off	off	off



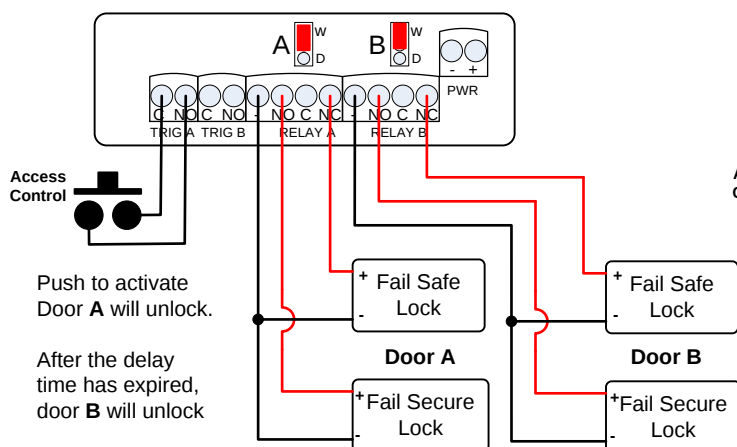
Dual LR Mode (2 Independent Relays)

Switch No:	SW1	SW2	SW3	SW4
Position	ON	ON	ON	off



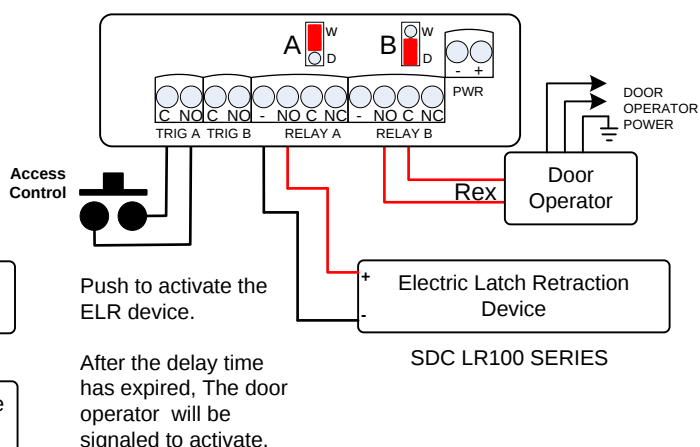
Sequencer Mode (2 Locking Devices)

Switch No:	SW1	SW2	SW3	SW4
Position	ON	ON	off	off

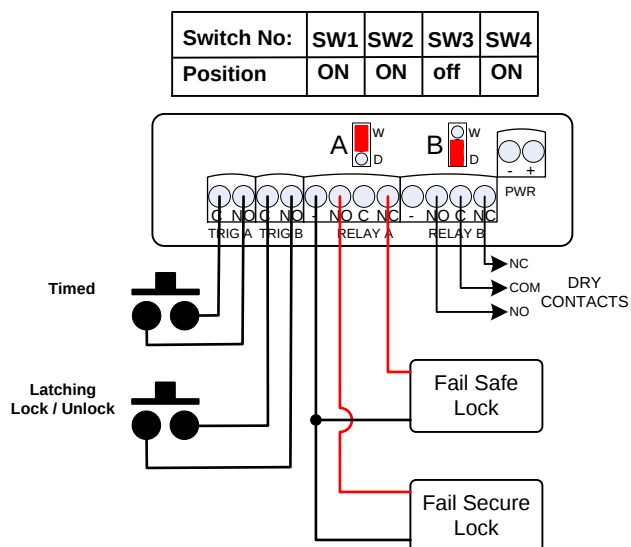


Sequencer Mode (ELR Device and Door Operator)

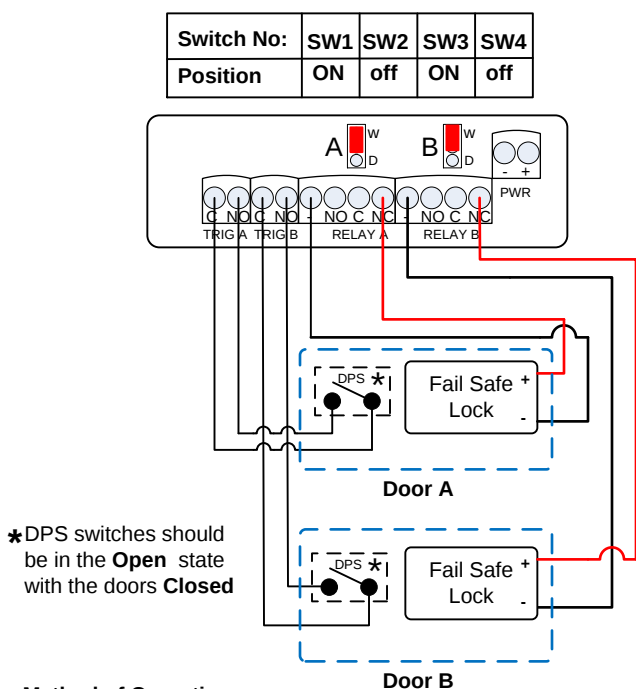
Switch No:	SW1	SW2	SW3	SW4
Position	ON	ON	off	off



TD/LR Mode

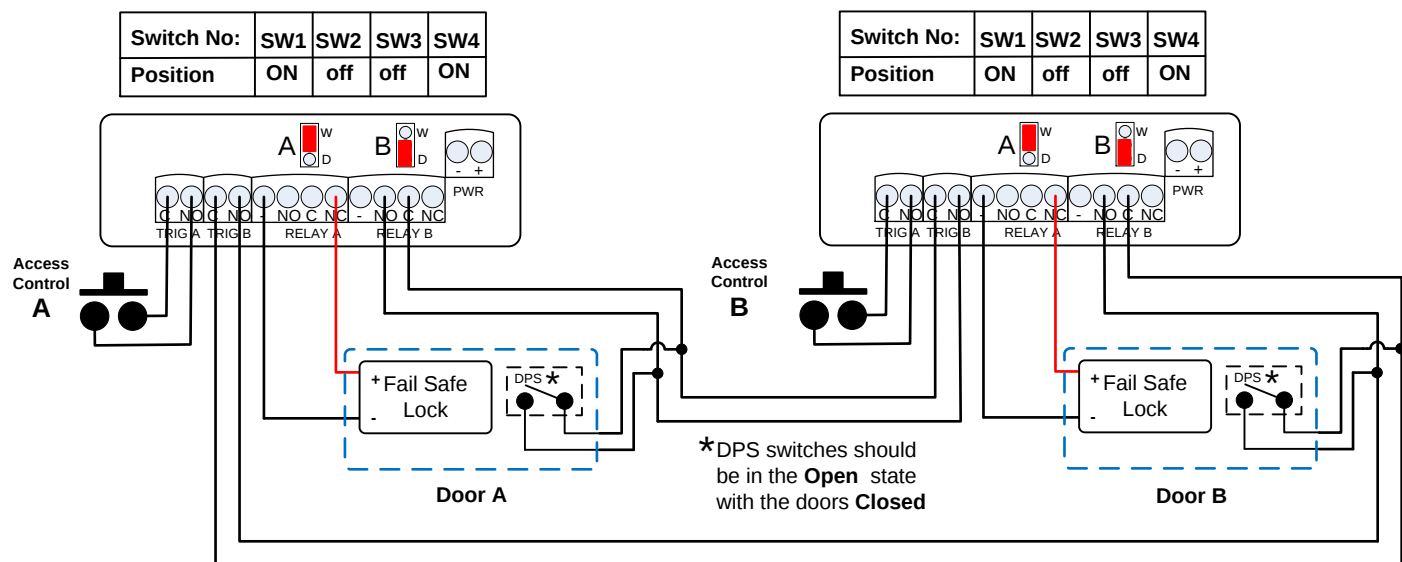


Interlock A



Method of Operation:
 Both doors are normally closed and **Unlocked**. Opening either door will **Lock** the other door.

Interlock B (2 Modules are Required)



Method of Operation:
 Both doors are normally closed and **locked**. Unlocking or opening the other door will make the other door incapable of being unlocked.

12V REGULATOR MODULE WIRING

Hager's 2908 power supply is equipped with a filed selectable 12VDC or 24VDC output. The addition of the 12V Regulator Module enables dual 12VDC and 24VDC output capability.

The module is a 12VDC, 500mA Regulated and Filtered Output Module. With the power supply output set at 24VDC for locking devices and components, the addition of the module provides a separate 12VDC 500mA output for Access Control or other 12VDC devices.

