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

<table>
<thead>
<tr>
<th>INPUT VOLTAGE</th>
<th>12 or 24VDC +/- 10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPUT CONTROLLER CURRENT</td>
<td>120/175mA</td>
</tr>
<tr>
<td>INPUTS</td>
<td>2 ea Dry Signal Inputs</td>
</tr>
<tr>
<td>OUTPUTS</td>
<td>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.</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>3.20”W x 2.00” L x 1.0” H [81.28mm W x 50.8mm L x 25.4mm H]</td>
</tr>
</tbody>
</table>
LR Mode

<table>
<thead>
<tr>
<th>Switch No:</th>
<th>SW1</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position</td>
<td>ON</td>
<td>off</td>
<td>off</td>
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Fail Safe Lock

Fail Secure Lock

Dual LR Mode

(2 Independent Relays)

<table>
<thead>
<tr>
<th>Switch No:</th>
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<th>SW4</th>
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<tbody>
<tr>
<td>Position</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
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Lock/Unlock A

Door A

Door B

Fail Safe Lock

Fail Secure Lock

Sequencer Mode

(2 Locking Devices)

<table>
<thead>
<tr>
<th>Switch No:</th>
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Access Control

Door A

Door B

*Fail Safe Lock

*Fail Secure Lock

Sequencer Mode

(ELR Device and Door Operator)

<table>
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<tr>
<th>Switch No:</th>
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Access Control

Door Operator

*Electric Latch Retraction Device

Push to activate the ELR device.

After the delay time has expired, the door operator will be signaled to activate.

SDC LR100 SERIES
TD/LR Mode

Interlock A

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

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

Interlock B

(2 Modules are Required)

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

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

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.

DPS switches should be in the Open state with the doors Closed

Method of Operation:

Both doors are normally closed and Unlocked. Opening either door will Lock the other door.
12V REGULATOR MODULE WIRING

Hager’s 2908 power supply is equipped with a field 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.

12VDC OUTPUT TO ACCESS CONTROL (500mA MAX LOAD)

24VDC INPUT FROM POWER SUPPLY

RED BLK