UNIVERSAL RELAY MODULE
INSTALLATION INSTRUCTIONS

FEATRES 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>
CR Mode

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

Access Control A or B
Push and hold to Unlock

* Fail Safe Lock

* Fail Secure Lock

Dual CR Mode

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

Access Control A
Push to Activate

* Fail Safe Lock

Access Control B
Push to Unlock

* Fail Secure Lock

TD Mode

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

Access Control
Push to Activate

* Fail Safe Lock

Access Control
Push & Release to Reset

* Fail Secure Lock

Dual TD Mode

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

Access Control A
Push to Activate each Timer

* Fail Safe Lock

Access Control B

* Fail Secure Lock

Time Adj 1 – 60 Sec
(Both A & B same time setting)
**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>
<td>OFF</td>
</tr>
</tbody>
</table>

- **Latch**
  - Push Latch to Unlock
  - Push Release to Relock

- **Fail Safe Lock**
- **Fail Secure Lock**

**Dual LR Mode**

<table>
<thead>
<tr>
<th>Switch No:</th>
<th>SW1</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
</tr>
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<tbody>
<tr>
<td>Position</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
</tbody>
</table>

- **Fail Safe Lock**
- **Fail Secure Lock**

**Sequencer Mode**

<table>
<thead>
<tr>
<th>Switch No:</th>
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<th>SW2</th>
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<th>SW4</th>
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</thead>
<tbody>
<tr>
<td>Position</td>
<td>ON</td>
<td>ON</td>
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</tbody>
</table>

- **Access Control**
  - Push to activate Door A will unlock.
  - After the delay time has expired, door B will unlock.

- **Fail Safe Lock**
- **Fail Secure Lock**

**Sequencer Mode (2 Locking Devices)**

- Push to activate the ELR device.

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

- **DOOR OPERATOR**
- **SDC LR100 SERIES**

- **Electric Latch Retraction Device**
**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.

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

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**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.