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Universal Door Control Modules

Field Programmable Access Hardware Controller

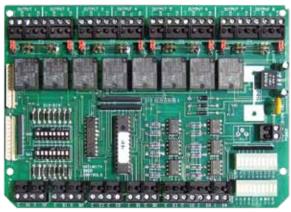
14 Field Selectable Station Modes & Systems

7 Individually Selected Relay Output Modes

- · Control Relay, Timed Relay, or Latching Relay Output
- · Dual Modes Control Relay & Timer
- · Latching & Timed
- · Control Latching
- · Controlled Relay/Controlled Relay

7 Selectable System Modes

- · 5 Mantrap and Interlock Modes
- · 2 Communicating Bathroom Modes



UR4-8 Shown

Benefits

- Use the same controller for all virtually multi-door applications
- Centralized wiring for all locks, access controls, monitoring contacts and peripheral equipment
- On board logic reduces need for communicating door and lock contacts and standalone relays.
- Reduced wiring, easy troubleshooting

Station Capacity - 1 Relay Per StationSelect operation mode for each station. Select station output configuration: SPDT Dry contact or Wet output. Wet output same as module input, 12 or 24VDC

UR2-4

4 NO inputs 4 Wet (1-On/1-Off) or SPDT Dry (2 fused, 2 non-fused)

UR4-8

8 NO inputs 8 Wet (1-On/1-Off) or SPDT Dry (4 fused, 4 non-fused)

Station Capacity - 2 Relays Per Station

Select operation mode for each station. Select station output configuration, Wet or

Wet output same as module input, 12 or 24VDC

UR2-4

4 NO inputs 2 fused Wet or Dry Outputs 2 non-fused Wet or Dry outputs

UR4-8

8 NO inputs

4 fused Wet or Dry Outputs

4 non-fused Wet or Dry outputs

Programmable Station Modes

Each output may be individually programmed with its own mode of operation

- Conventional Relay
- Latching Relay, on/off
- Latch multi-station zones on/off or all stations on/off
- Time Delay Relay 1-60 seconds
- Dual function Latching on/off, plus 1-60 second Timed output when on.
- Emergency Release Input may control select stations or all stations

Programmable System Modes

System selection provides appropriate mode of operation for each input and output

- Airlock/Interlock Mode A: All doors normally unlocked, opening any door causes all other doors to lock.
- Mantrap Mode B: All doors normally locked. When any door is unlocked all other doors are incapable of unlocking.
- 3 Mantrap Mode C: Select doors locked or unlocked. When unlocked door is opened, locked doors are incapable of unlocking. When a locked door is unlocked, normally locked doors lock and all other locked doors are incapable of unlocking.
- Shared Hospital/Dorm Bathroom A: Doors equipped with magnetic locks.
- Shared Hospital/Dorm Bathroom B: Doors equipped with electrified locksets.

Individual Contact Configuration

Each relay may be configured as a dry contact or voltage output.

Documentation

Several access control and mantrap system wire diagrams are provided for common applications.

UR2-4 Specifications

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

Input Current: 130mA max. Relay Inputs: 4-SPST, NO Dry,

Optically Isolated

Auxiliary Inputs: 4-SPST, NO Dry,

Optically Isolated

Outputs Specification

Field Selectable Voltage Output or Dry Contact

Outputs individually configured as a dry contact or 12 or 24VDC Voltage Output, (1) Normally (On) and 1 Normally (Off)

2 fused SPDT relays, 7 Amps @ 30VDC 2 non-fused SPDT relays, 7 Amps @ 30VDC

UR4-8 Specifications

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

Input Current: 130mA max.

Relay Inputs: 8-SPST, NO Dry, Optically Isolated

Auxiliary Inputs: 4-SPST, NO Dry,

Optically Isolated

Outputs Specification

Field Selectable Voltage Output or Dry Contact

Outputs individually configured as a dry contact or 12 or 24VDC Voltage Output, (1) Normally (On) and 1 Normally (Off)

4 fused SPDT relays, 7 Amps @ 30VDC 4 non-fused SPDT relays, 7 Amps @ 30VDC

Dimensions: 7" W x 5" H x 2" D (177.8 x 127 x 50.8 mm)

SECURITY DOOR CONTROLS

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Price & Installation