

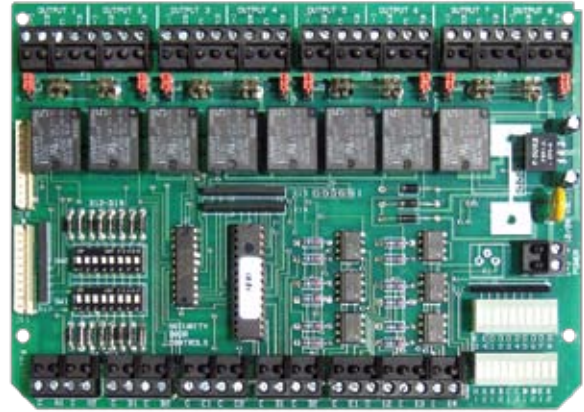


**Field Programmable Access Hardware Controller**

**13 Field Selectable Station Modes & Systems**

UR Series Universal Door Controllers provide a choice of individual dip switch selectable relay operation modes or system modes lock control, monitoring, communicating door or lock system logic. Relay output modes may be individually configured as a Dry Contact or Voltage (Wet) Output. Relays may be configured to work independently or in tandem with adjacent relay. Features include:

- 4 selectable relay output modes
- 7 selectable mantrap & bathroom systems
- 3 system control inputs, On, Off, Lockout
- Emergency Release Input



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 Station**

Select 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 Dry:  
 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)

