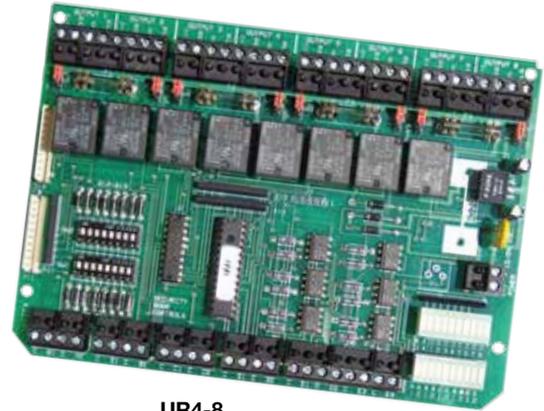# UR2-4 and UR4-8 Universal Door
Control Modules

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

⚙ FEATURES

- Use the same controller for virtually all 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.

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 unlocked 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.

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.

⚙ MODELS

UR2-4   Universal Controller with 2 Fused SPDT Outputs and 2 Non-fused SPDT Outputs

UR4-8   Universal Controller with 4 Fused SPDT Outputs and 4 Non-fused SPDT Outputs

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▤ SPECIFICATIONS

Input Voltage	12 or 24VDC +/- 10%
Input Current	130mA Max.
Relay Inputs	**UR2-4:** 4-SPST, Dry, Optically Isolated (Relay) 4-SPST, NO Dry, Optically Isolated (Auxiliary) **UR4-8:** 8-SPST, Dry, Optically Isolated (Relay) 4-SPST, NO Dry, Optically Isolated (Auxiliary)

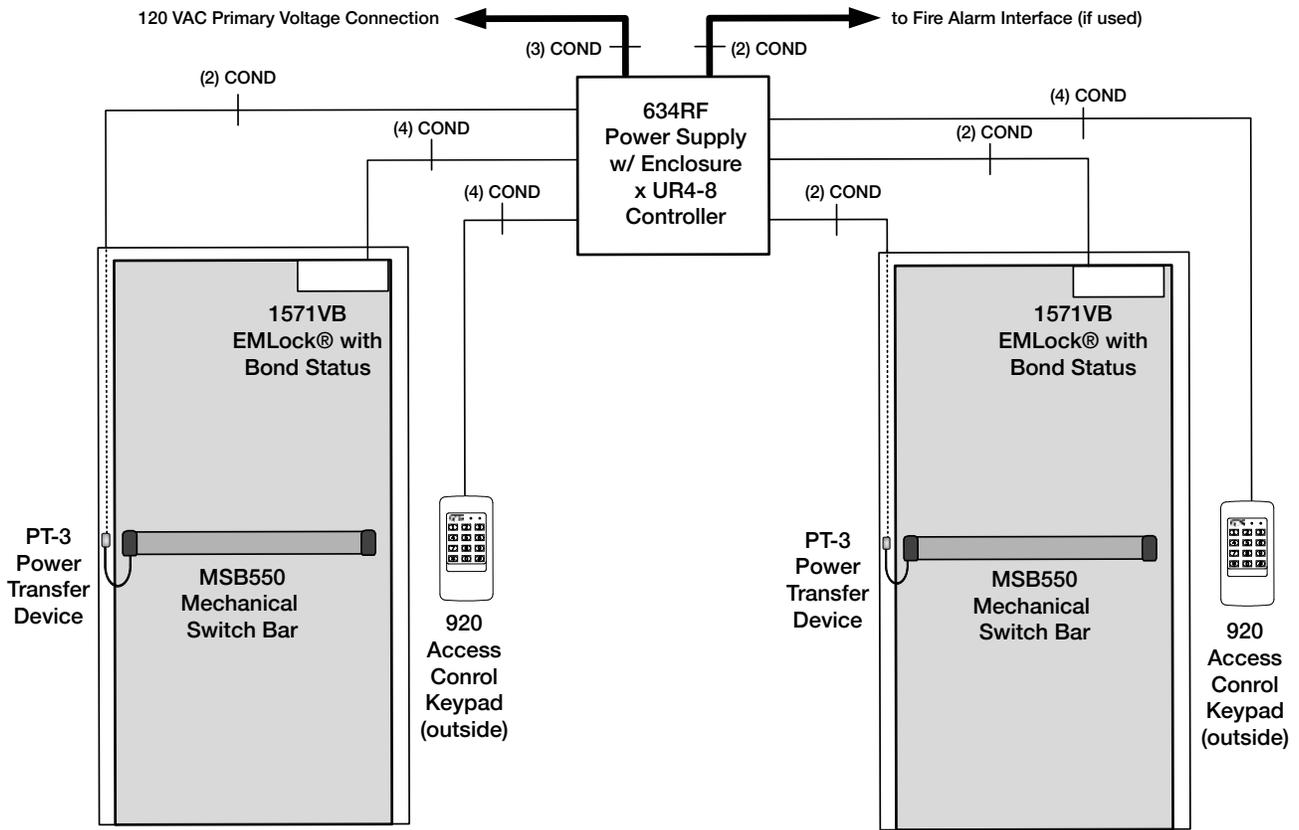|	
Outputs	Field Selectable Voltage Output or Dry Contact Outputs. Individually configured as a dry contact or 12 or 24VDC Voltage Output **UR2-4:** 2 fused SPDT relays, 7 Amps @ 30VDC 2 non-fused SPDT relays, 7 Amps @ 30VDC **UR4-8:** 4 fused SPDT relays, 7 Amps @ 30VDC 4 non-fused SPDT relays, 7 Amps @ 30VDC
Dimensions	4.5" W x 5" H x 7/8" D UR2-4 7" W x 5" H x 7/8" D UR4-8

APPLICATION

120 VAC Primary Voltage Connection ← (3) COND   (2) COND → to Fire Alarm Interface (if used)

(2) COND

(4) COND

634RF Power Supply w/ Enclosure x UR4-8 Controller

(4) COND

(2) COND

(4) COND

(4) COND

(2) COND

1571VB EMLock® with Bond Status

PT-3 Power Transfer Device

MSB550 Mechanical Switch Bar

920 Access Conrol Keypad (outside)

1571VB EMLock® with Bond Status

PT-3 Power Transfer Device

MSB550 Mechanical Switch Bar

920 Access Conrol Keypad (outside)

920   Access Control Keypad

1571   EMLock® with Bond Status

PT-3   Power Transfer Device

MSB550 Mechanical Switch Bar

634RF   4 Amp, 12/24 VDC Class 2 Output Power Supply