

# MX-UC1

## Universal Field Programmable Application Module

MX-UC1 Universal Door Controllers provide a choice of individual dip switch selectable relay operating modes or system modes for 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

- Use the Same Controller for Multiple Applications.
- Microprocessor Based System Logic Reduces Need for Communicating Door and Lock Contacts and Stand-alone Relays.
- Centralized Wiring for Locks, Access Controls, Monitoring Contacts and Peripheral Equipment Provide Easy Troubleshooting and Enable Uniformity for Multiple Installation Applications.
- Multiple Selectable Relay & System Logic Modes:
  1. Conventional Relays.
  2. 2 Time Delay Relays, adj. 1-60 sec.
  3. 1 Time Delay Relays x Anti-Tailgate input.
  4. 2 Independent Latching Relays (1 N.O. trigger per relay (pulse on, pulse off).
  5. Tandem Latching Relays 2-SPDT (DPDT) output (Input (A) latch ON, Input (B) latch OFF).
  6. 1 Time Delay Relay, 1 Latching Relay.
  7. 1 Time Delay Relay, 1 Control Relay.
  8. 2 Door Airlock/Cleanroom System.
  9. Communicating Bathroom System: Shared by 2 hospital or Dorm rooms. Exiting unlocks both doors, ensuring access for both rooms.
  10. Manual Door Sequencer : For 1 or 2 single or double door openings with high inrush\* locks or exit devices (not to exceed Power Supply Rating up to 7A).
  11. Automatic Door Sequencer: For 1 single or 1 double door opening with locks or exit devices.
- Relay Modes: Selectable Contact Configuration Permit Installer Configuration per Application Requirements.
  1. SPDT outputs jumper selectable Wet and/or Dry.
  2. Selectable Independent or Tandem (Simultaneous, DPDT) Activation.
  3. Each Tandem SPDT output may be Wet and/or Dry.



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## Specification

Model	MX-UC1
Input Voltage	Automatic Voltage Sensing 12VDC @ 120mA, 24VDC @ 175mA
Inputs	Two Form "A" SPST, N.O. Inputs a) Two (2) N.O. Dry Inputs for Individual Relay b) Tandem: Either N.O. Dry Input Triggers Both Relays
Outputs	<ul style="list-style-type: none"> <li>• 2 Form "C" SPDT Outputs (N.C. Failsafe, N.O. Failsecure)</li> <li>• 10 Amps (resistive), 7 Amp (inductive) @ 30VDC</li> <li>• Wet (voltage) and/or Dry Output</li> <li>• Wet Output Voltage is Same as Module Input Voltage</li> <li>• Two (2) LED Relay Active Indicators</li> <li>a) Two (2) Wet (Power) and/or Dry Outputs</li> <li>b) Tandem: Simultaneously Activates both SPDT Outputs</li> </ul>
Dimensions	3.2" W x 2" L x 1" H

## Application

