

# MAC8 / MAC8R

## Multi Access Controller

# BASE

for **SECURITY • ACCESS CONTROL** systems

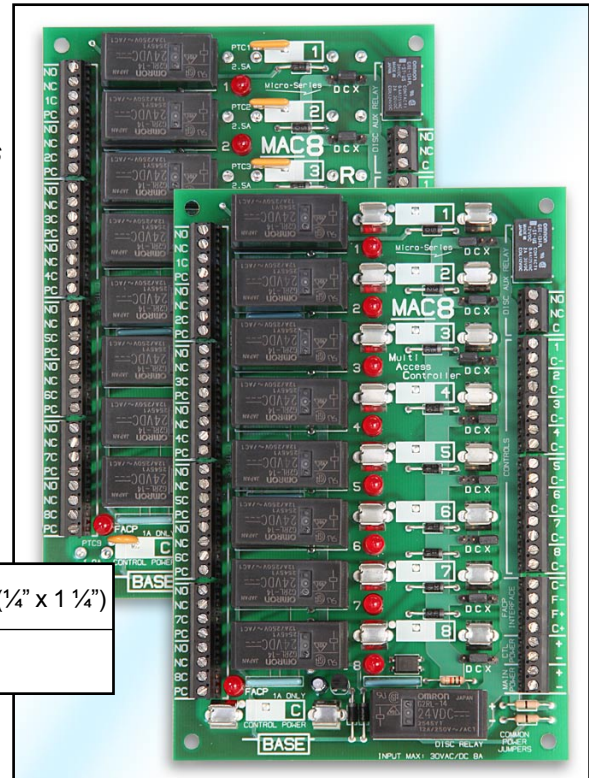
Micro-Series



UL 294 Access Control Subassembly

- ▶ **Distributes Door Lock Power to 8 Fused or PTC Protected Outputs**
- ▶ **Outputs controlled through Isolation Relays**
- ▶ **Fail-Safe, Fail-Secure, Dry Contacts or Fused-Output-only Selectable per Output**
- ▶ **Low Power FACP Interface for Emergency Fail-Safe Power Disconnect**
- ▶ **Low-Power, Low-Cost, Replaceable Relays**
- ▶ **Small Footprint PCB - 4.1" w x 6.0" h**
- ▶ **Includes Mounting Hardware**

|              |  |
|--------------|--|
| <b>MAC8</b>  | Includes (8) 2.0 A replaceable fuses, standard 3AG (1/4" x 1 1/4") |
| <b>MAC8R</b> | Includes (8) 2.5 A PTC auto-resettable fuses                       |



The MAC8 / MAC8R distributes power from a low voltage power source to 8 fused door lock outputs through low-current-draw isolation relays. The MAC8 includes standard replaceable 2.0 Amp 3AG-type fuses (1/4" x 1 1/4"). The MAC8R uses 2.5 Amp PTC auto-resettable fuses. Use one common power input or use separate Output Power and Control Power inputs. Each output is easily jumper-selectable for Fail-Safe, Fail-Secure, Dry Contacts or Fused-Output-only (with relay or no relay installed in socket). All Output Relays are controlled by dry contacts or open-collector (sink) outputs of an Access Control System and include relay status Red LEDs. All relays are low-cost depluggable and replaceable type available from several manufacturers.

Each module includes a low-power FACP Interface with many connection options and Disconnect Relay for direct Emergency Power Disconnect of door lock power. Aux contact terminals are provided for alarm monitoring of the disconnect feature.

The Micro-Series modules have been designed to put powerful features in a small footprint. The module circuit board is only 4.1" x 6.0". Nylon standoffs are included for mounting the board. Heavy-duty wire clamp terminals allow for 14-22 AWG wiring.

Installs fast. All instructions, wiring diagrams, and mounting hardware is included. Improves power reliability while making system maintenance easier.

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# MAC8 / MAC8R Multi Access Controller



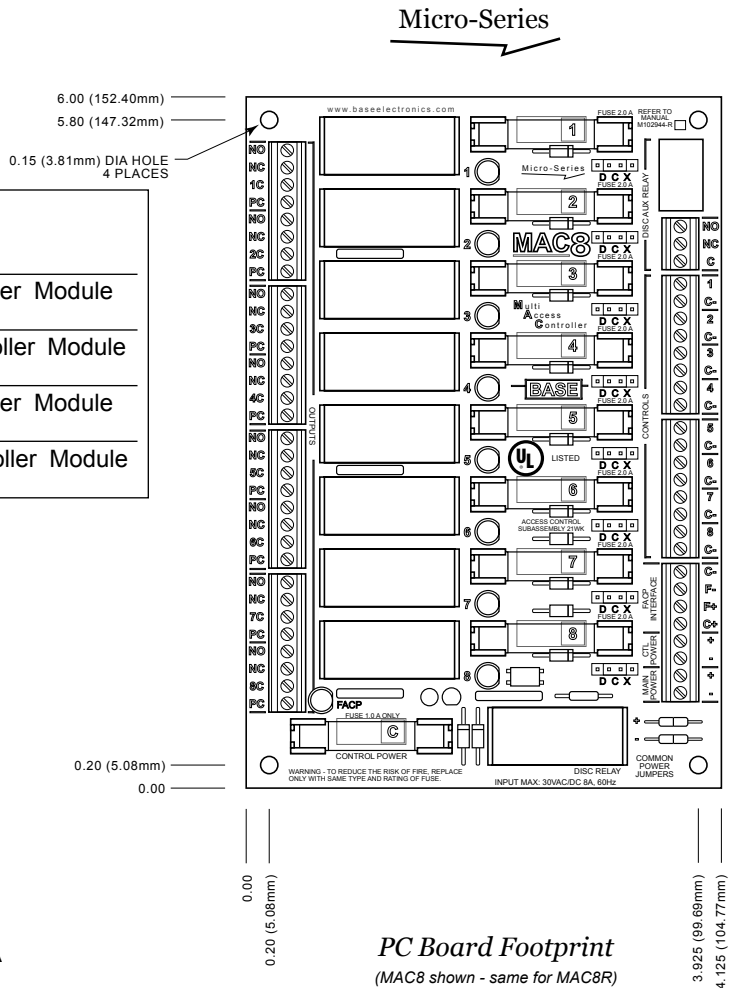
UL 294 Access Control Subassembly

## Ordering Information

| Part Number     | Description   |
|-----------------|---|
| <b>MAC8-12</b>  | MAC8 Multi Access Controller Module with 2.0A fuses, 12vdc relays |
| <b>MAC8R-12</b> | MAC8R Multi Access Controller Module with 2.5A PTCs, 12vdc relays |
| <b>MAC8-24</b>  | MAC8 Multi Access Controller Module with 2.0A fuses, 24vdc relays |
| <b>MAC8R-24</b> | MAC8R Multi Access Controller Module with 2.5A PTCs, 24vdc relays |

## MAC8 / MAC8R Specifications

- Indoor Temperature Range: 0° C. to +49°C.
- Electrical
  - Maximum Main Power Input Voltage AC/DC: 30V
  - Maximum Total Current: 8A
  - Maximum Recommended Current per Output: 2.5A
  - Output and Disc Relay Contact Rating: 12A
  - Control Power Input: 12 or 24VDC (-10%, +30%)
  - Control Power Input Fuse: 1A fuse or PTC
  - FACP Interface Maximum Current Draw: 10 mA
  - Maximum Current Draw per Relay: 35 mA
  - Maximum Current Draw of Control Power Input: 350 mA
  - Connections: Captive Screw Terminals for #14 to #22AWG Wire
  - PTC Outputs: 2.5A PTC Resettable Devices included (MAC8R)
  - Fuse Outputs: 2.0A 3AG-type Fuses included (MAC8)
- Other Features
  - Fail-Safe, Fail-Secure, Dry Contact, or Fused-Output-only selectable per output
  - All relays are low-cost, depluggable and replaceable
  - Outputs and Relay Control power can be commonly or separately powered
  - 9 Red LED indicators for relay status
  - Disconnect Relay Aux terminals for alarm monitoring
- Size: 4.12 (104.77) wide by 6.00 (152.40) high [ inches (mm) ]
- Mounting: (4) 1/4 inch high nylon standoffs included
- Models (Use these part numbers when ordering)
  - for 12VDC Control Power Input**
    - MAC8-12 Includes 8 replaceable 2.0A fuses, 12VDC relays
    - MAC8R-12 Includes 8 PTC resettable 2.5A fuses, 12VDC relays
  - for 24VDC Disconnect Relay Power Input**
    - MAC8-24 Includes 8 replaceable 2.0A fuses, 24VDC relays
    - MAC8R-24 Includes 8 PTC resettable 2.5A fuses, 24VDC relays
- Other related BASE products
  - PM8 / PM8R Power Distribution Module
  - DAC8 / DAC8R Direct Access Controller
  - LVPC Custom Prewired Power Cabinet Assemblies



**PC Board Footprint**  
(MAC8 shown - same for MAC8R)



**NYLON MOUNTING STANDOFF**  
(4 INCLUDED WITH MAC8 OR MAC8R)

