



# Product Specification Sheet



APS286

Rev. 1 - 02/1999



**232M / 232MAL Mullion Mount Keypad  
(Bronze / Aluminum Finish)**

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The access control system shall be Alpha Communications®/IEI model 232M / 232MAL keypad or approved equivalent. The keypad memory shall have nonvolatile EEPROM memory for up to 120 users. Codes may be from 1-6 digits in length and digits may be repeated.

Assisted by the door position sensor input, this 1 amp Form-C relay shall energize if the door is opened without a valid user entry or egress input. This output can be programmed to energize for up to 15 minutes or latch. It can be reset by a valid code entry.

The systems propped door relay can be programmed for a 1 to 15 minute time window in which the door may be held open after a valid entry. The system shall alert the resident to any "propped" door by energizing a 1 amp Form 'C' relay. This output may be wired to a siren, buzzer, guard station, camera or any other device.

The lock release relay shall be rated at 8 amps and shall be tough enough to handle any locking device. Simple programming allows the output to toggle (by code) or time from 1 to 90 seconds.

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## 232M / 232MAL Mullion Mount Keypad

The 232M / 232MAL keypad offers field proven reliability and cost effective solutions for residential, commercial and industrial installations, elegant yet durable, blends with any decor. Designed for compatibility with any electric locking device. The keypad accepts power from any 12-24V AC/DC supply. No separate programmer is ever necessary.

### FEATURES

- Lock release relay
- Lock release timer
- Forced door alarm relay and Propped door alarm relay
- Alarm zone shunting relay
- Timed egress input
- 120 user capacity
- Front Programming
- Weather resistant metal housing
- Two-piece design with secured electronics
- Narrow housing suitable for alum. door frame mounting
- Available in Bronze or Satin Aluminum (suffix 'AL')

### SPECIFICATIONS

#### MECHANICAL

##### Dimensions:

##### Reader:

Height: 4.50" (114.3mm)  
Width: 1.75" (44.4mm)  
Depth: 1.55" (39.4mm)

##### Programming Keypad:

Height: 4.50" (114.3mm)  
Width: 2.75" (69.9mm)  
Depth: 2.50" (63.5mm)

#### ELECTRICAL

##### Voltage:

12 to 24 volts AC or DC (selected by jumper)  
(Normally used with model SS106 pigtail or model T1240 plug-in transformer)

##### Current:

@ 12VDC 20mA typical, 50mA worst case  
@ 24VDC 25mA typical, 70mA worst case

##### Note:

keypads using additional relays require an additional 15mA for each relay energized.

##### Outputs:

Main relay: 8 Amp, Form 'C' @24VDC-10 Amp surge  
Alarm Zone Shunting Relay: 1 Amp, Form 'C' @24VDC  
Forced Door Relay: 1 Amp, Form 'C' @24VDC  
Propped Door Relay: 1 Amp, Form 'C' @24VDC

##### Wire Distance:

250' between reader and electronics with #22AWG

#### ENVIRONMENTAL

##### Temperature:

-20°F to 130°F (-28°C to 54°C)

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*