

Linear ACCESS[®]

AM-3 Access Controller for up to Four Doors/Gates



- **Four General-Purpose Form “C” Relays for Main and Auxiliary Control Functions**
- **Networkable — Up to Eight Controllers and 256 Doors or Gates**
- **Compatible with Linear’s AE-1000 and AE-2000 Telephone Entry Systems**
- **Accepts Two 26, 30, or 31-Bit Wiegand Devices and Six Additional Addressable Remote Devices**
 - **Lockable Plastic Enclosure for Indoor Use**
 - **Optional NEMA 3R Enclosure for Outdoor Mounting**

The AM-3 multi-portal access controller has four built-in general purpose (Form "C") relays. Each can be configured for open/close. Any one can be used for the control relay and the others for a myriad of auxiliary control functions, including activation of safety edge reverse, external lighting, or alarm shunting. In addition, the AM-3 supports *request to exit* and *door status* monitoring for each relay. All relay contacts have extensive RFI, ARC, and lightning suppression.

For local computer communications, the AM-3 has an RS232 port. For remote programming, it has an optional plug in modem (ACM-1). Linear's AccessBase 2000 software allows you to network up to eight controllers (AE-1000, AE-2000, or AM-3) via an RS-485 connection and/or eight different dial-up locations via modem for a total of 256 doors or gates.

The AM-3 is supplied in a lockable plastic enclosure designed for indoor use. For outdoor mounting, an optional NEMA 3R enclosure (Model CAB-3) is available.

General Specifications

ACCESS CONTROL

32 Validation Groups (Security Levels): Validation Groups let user allow or deny access based on date/time (Time Zones), door (Door Schedule), or floor (Floor Schedule); 32 Time Zones, 32 Door Schedules, 32 Floor Schedules

OUTPUTS

Relay: four Form "C" relays; all can be configured for open/close; all relay contacts have extensive RFI, ARC and lightning suppression

RS232: for local computer communications — 33.6 Kbps

DISPLAY

Front Panel: two 8-segment LED displays for system configuration, status and troubleshooting

INPUTS

PBUS: three sets for connecting up to six proprietary addressable devices

Wiegand: two sets of Wiegand inputs for connecting 26, 30, or 31 bit Wiegand devices; each Wiegand input supports two LEDs

Request To Exit: four normally open inputs; each input assigned to specific relay

Door Status: four normally closed inputs used to monitor the status of the device connected to the relay for a forced door/propped door alarm; supports auto-relock once the device is restored

Access Buttons: four pushbuttons used to manually control each of the four relays

Tamper: N/C tamper switch activates any time cabinet is opened

LEDs: for status and troubleshooting

POWER

12/24 VAC or VDC; 16 VAC transformer included

OPERATING TEMPERATURE

-22° to +149°F

DIMENSIONS

11.5 in L x 4 in W x 12.5 in H (292 x 102 x 318 mm)

MEMORY

10,000 users; each can have keypad, entry code, card or transmitter; 20,000 event transaction log; data stored in field upgradeable FLASH memory

CLOCK/CALENDAR

Built-in 24-hour clock/calendar with battery back-up and daylight savings adjustment

CONNECTIONS

All connections grouped together in neighborhoods for ease of installation and maintenance

ENCLOSURE

Plastic cabinet suitable for indoor use; secure with lock/key (included) or screws

STANDARD EQUIPMENT

AM-3 four portal access control system accepts two Wiegand inputs and up to six remote devices

OPTIONAL EQUIPMENT

ACM-1: plug-in 33.6 Kbps modem for remote (dial-up) communications.

MIO Interface Module: multiple input/output modules for monitoring and control of additional points; can also be used for elevator control (call for availability)

CAB-3: lockable NEMA 3R enclosure for mounting the AM-3 outdoors



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