

Linear ACCESS

Telephone Entry Access Controllers Models AE-1 and AE-2

- **Ideal entry system for apartments, condos, gated communities, dormitories, offices, and other commercial sites.**
- **Extensive capacity — up to 3,500 users.**
- **Controls up to four portals via touch-tone telephone and keypad entry.**
- **RS485 capability for networking up to 32 doors.**
- **Full duplex telephone communications.**
- **Built-in radio for keyless entry — wireless activation from up to 250 feet away.**
- **Choice of displays: Model AE-1 features LCD display, two lines by 16 characters; Model AE-2 features large, vacuum fluorescent display, two lines by 20 characters.**
- **Field programmable directory, talk time, and display message.**
- **Selectable extended talk time.**
- **Accepts inputs from remote keypads, Wiegand cards, and proximity devices.**
- **Programming via built-in keypad or PC software.**

Linear's Telephone Entry combines telephone entry with full-featured access control, including keyless entry and panic functions. It is extremely easy to operate, making it ideal for a wide range of applications, including apartments, condominiums, dormitories, office buildings, and gated communities. It offers security, convenience, and handicapped access.

As a telephone entry system, it provides full duplex telephone communications through hands-free operation, and controls four openings via touch-tone telephone. It is supplied in a rugged, stainless steel, surface mount housing that will withstand years of use in the toughest environments.

Remarkable ease of operation is made possible by a highly visible keypad and large display, which presents

visitors with a scrolling directory of up to 3,500 occupants (residents or employees) by name and code. When a code is entered on the keypad, a two-way voice link is established so the occupant can identify the visitor and grant access. Occupants gain entry using a special access code, or when supplied with a radio transmitter, by keyless entry.

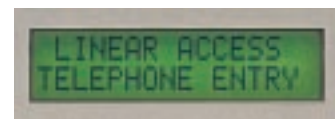
Numerous programming options allow the installer to customize Telephone Entry for virtually any application. System choices include selection of a one-to-four digit directory code, 40 different display messages, talk time duration, and extended talk time for select individuals.

Beyond telephone entry, the system can be adapted for

use with other forms of access control, as well as with existing access control systems. Adding transmitters is easy because the system includes a built-in radio receiver. Transmitters can be used for the convenience of keyless entry, but also to equip the system with "panic button" capability for duress situations, ideal for sites with detached parking areas.

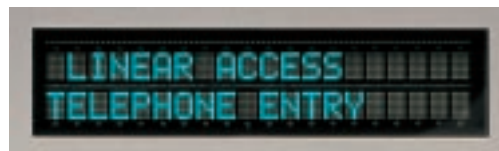
Telephone Entry can also accept inputs from up to six remote devices in addition to its receiver and the front panel keypad, including: remote keypads, remote receivers, and card

readers. Two different remote receivers are available, as well as a wired keypad and an interface that allows integration of virtually any 26, 30, or 31 bit Wiegand device. Access control features include: validation groups, time zones, door schedules, relay lock and unlock schedules, and a transaction log. A Wiegand output permits Telephone Entry's use with other access control systems.



Model AE-1 features an LCD display, two lines by 16 characters;

Model AE-2 features a vacuum fluorescent display, two lines by 20 characters.



General Specifications

Communication: full duplex, hands-free operation
Programmable Features: 1-to-4 digit directory code; 40 display messages; talk time duration; extended talk time for select users

OUTPUTS

Relay: four form "C" relays, rated at 3 amps with programmable output duration; all four can be configured for open/close; A and B can be supervised for status; C and D can be configured for control; all relay contacts have RFI, ARC, and lightning suppression

Wiegand: Wiegand compatible signals for adding RF capability to other access control systems; 26, 30, and 31-bit formats are supported

RS232: one port for connection to a local computer printer, modem, or CRT; all communications are at 9600 baud

DISPLAYS

- Model AE-1 front panel:** LCD type, two lines by 16 characters
- Model AE-2 front panel:** vacuum fluorescent, two lines by 20 characters
- Internal controller:** two lines by 24 character backlit display for local programming and transaction monitoring
- LED indicators:** internal controller has front panel indicators for all input and output activity for on-site troubleshooting

INPUTS

RF: 318 MHz superheterodyne receiver with -90 dBm sensitivity; built-in 20 dB adjustable attenuator for fine tuning radio performance

Keypad/Reader: two sets of inputs for connecting remote keypads, card reader interfaces, or receivers

Open Request: contact closure to ground activates channel A or B relays

Programming: internal keypad for local programming

Access Buttons: one button for each of the four relays; used to manually control relays

POWER

- ac:** 14 to 24 V @ 1.5 Amp; 16 V wall mount transformer included
- dc:** 12 to 35 V @ 1.5 Amp

OPERATING TEMPERATURE

- Electronics:** -22° to +149°F (-30° to +65°C)
- AE-1 LCD Display:** 0° to +104°F (-18° to +40°C)

- AE-2 Vacuum Fluorescent Display:** -22° to +149°F (-30° to +65°C)

DIMENSIONS

15 in W x 11.5 in H x 5.25 in D (381 x 292 x 133 mm)

MEMORY

All data memory is non-volatile EEPROM with data retention in excess of 10 years; modular design permits field upgrading and easy transfer to another controller; memory modules available in the following capacities:

- MM64:** 64K capacity, medium memory
- MM128:** 128K capacity, large memory
- MM256:** 256K capacity, extra-large memory

CLOCK/CALENDAR

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

CONNECTIONS

All wiring connections to the internal controller are with plug-on, screw terminal blocks

ENCLOSURE

Rugged stainless steel, surface mounting

STANDARD EQUIPMENT

AE-1: four portal Telephone Entry system; contains system controller with built-in radio receiver; RS232 port, and Wiegand outputs; accepts transmitters, keypads, and card readers as inputs; requires memory module and antenna; includes two line by 16 character LCD display

AE-2: same as AE-1 except two line by 20 character vacuum fluorescent display

OPTIONAL EQUIPMENT

AM-MP: stainless steel mounting plate for secure, weather-resistant installations

AM-HOOD: add-on visor for direct sunlight installations

AVAILABLE ACCESSORIES

AM-Printer Serial Printer: allows printing of real time event log and system reports (includes A2P printer cable)

LinModem Modem: used for remote programming

Cable:

- A2P:** connects Telephone Entry to serial printer
- A2C Computer Cable:** connects Telephone Entry to serial port of a computer; 9 pin and 25 pin models

Antennas:

- EXA-1000:** remote, omnidirectional; includes mounting hardware and five feet of cable
- EXA-2000:** remote, directional-type; includes mounting hardware and ten feet of cable

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