

Linear ACCESS[®]

AE-2000

**The Ultimate in Telephone Entry.
10,000 users. Total Access.**



The AE-2000.



The big picture.

A display that welcomes and informs.



As befitting Linear's flagship telephone entry system, Linear has equipped the AE-2000 with an attractive, highly functional display. Visitors will have no trouble using the AE-2000 to locate and contact residents. A temperature-compensated, back-lit, VGA resolution, LCD display presents up to 24 names at a time on separate alphabetical screens. That is in stark contrast to most telephone entry systems, which require you to scroll continuously through the entire alphabet, searching for a name. The three keys directly below the display operate as "soft keys," changing functions with each mode. For instance, in the Directory Mode, the keys become A and Z directional controls for

scrolling through the alphabetical listings. In the Information Mode, the keys permit switching between English and Spanish.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

COLE BEN	0159	COLE WIL	0165
COLEMAN MILES	5891	COLLINS ANDREW	0289
COLLINS DEREK	0505	COMER CARL	0748
COMO PERRY	1162	CONISON JOEL	9539
CONNEK DANNI	0373	CONNELLY JIM	2464
COOK ANISSA	0535	COOPER MORGAN	9646
CORONA PARI	0110	CORT DIONNE	0531

COSSON CHI
COTRICE
CRANE JACC
CRANSTON I
CREATIVE S

CROFT KELLEY	0508	CROMERO PATRI	0410
CROOK JENNIFER	0672	CROSBY BING	1142
CROSSLAND DAV	0188	CROVER JOHN	0149
CRUDUP AKIAH	0010	CUFFEE GOLDIE	9095
CUNHA RICARDO	0278	CUNNINGHAM KE	0461



The AE-2000 is quite the greeter and the instructor. Its friendly, automatic voice prompts guide visitors step-by-step to simplify usage. That includes switching to provide instructions in either English or Spanish.

The guiding principle behind Linear's AE-2000 is that a telephone entry system should be a model of simplicity. Easy to specify. Easy to install. Easy to configure. Easy to expand. And above all, easy to use. A close

doors and/or gates. Linear's AccessBase 2000 software ties it all together.

No matter what size your telephone entry requirements run, it is likely that Linear can supply a system. With many years in the field, we have assembled a family of products to address nearly every need.

By every meaningful measure, Linear makes telephone entry easy.

NOT JUST TELEPHONE ENTRY. TELEPHONE ENTRY WITH ACCESS CONTROL.

You could use the AE-2000 as just a telephone entry system. It has a 10,000 user capacity and each user can have a unique directory code. Handy features like a programmable display message, adjustable talk time, and extended talk time per user add more value. However, the real benefits of the AE-2000 stem from its powerful access control capabilities. Access can be allowed or denied based on 32 programmable criteria — security levels (32 Validation Groups), by date and time (32 Time Zones), by door (32 Door Schedules), and by floor (32 Floor Schedules). In addition, so you can keep a running check of all entrances and exits, the AE-2000 maintains a transaction log of the last 20,000 events.

RUGGEDLY BUILT FOR EVERYDAY USE.

Telephone entry systems get a lot of use (and sometimes even abuse). The system is housed in a heavy-duty 16 gauge powder coated steel cabinet with a 16 gauge brushed stainless steel, articulated, double-locking front panel. Its built-in keypad is likewise manufactured for constant pressure applied by many fingertips over many years. Individually illuminated back-lit keys make it easy to read even after hours.



examination of every aspect of this feature-rich system reveals that ease is an across-the-board attribute.

A 10,000 user capacity is standard with the AE-2000. Commercial sites, like apartments, condominiums, residential communities, and industrial complexes can all benefit from its simplicity and expansive range of capabilities. The AE-2000 provides control for up to four portals (gates and/or doors). Thanks to its networking capabilities, you can link up to eight controllers (AE-2000s, AE-1000s, and/or AM-3s) via RS-485 and up to eight different networks via RS-232 for a total of 256

Si Ud. tiene un código de acceso, presione la tecla [] y entre el código.
Si Ud. sabe el código del residente, presione la tecla [] y entre el código.
Para llamar a un residente: use las teclas "de la flecha" para encontrar el nombre del residente, y entre el código asociado.
Para cancelar la llamada de teléfono, presione la tecla []

EXHIBIMOS ESPAÑOL.

For those of you who don't speak Spanish, that means "We display Spanish," a very valuable built-in attribute for an telephone entry/access control system. The bilingual AE-2000 gives visitors that option right up front, so that all subsequent instructions are as easy to follow in Spanish as they are in English.

**MEDIA EXPERT.
FROM TRANSMITTERS.
TO CARD READERS.
TO KEYPADS.**

Building access control around the AE-2000 is easy, because the system supports so many diverse devices. A variety of other door/gate controls can be added to manage access at other entrances. Two sets of Wiegand inputs allow connection



of most standard card readers. The AE-2000 can also accept external wired keypads. A built-in radio that employs Linear's



popular MegaCode format permits use of handheld, visor clip, and keychain

transmitters (not coincidentally, Linear offers the industry's largest selection of styles) to achieve additional remote control over gates and garage door openers. The integral receiver can also be used with external remote receivers and a choice of optional antennas for added range and capabilities.

**IN LIVING COLOR.
AN OPTIONAL CCTV CAMERA.**

Getting a clear picture of what's going on at any entrance at any given time is as easy as adding an optional, color



cctv camera (CCM-1) to the AE-2000. It installs inside and receives power from the control board. The color camera doesn't just add value to the AE-2000; it adds security to any installation. You can add a CPDM-1 to combine the video signal with an existing CATV network. This will allow all tenants in a development to view on their TVs, who is calling them from the AE-2000.

**CONTROL FUNCTIONS BEYOND
THE DOOR AND/OR GATE.**

The AE-2000 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 AE-2000 supports *request to exit* and *door status* monitoring for each relay. All relay contacts have extensive RFI, ARC, and lightning suppression.

**SURFACE. FLUSH.
GOOSENECK.
YOUR INSTALLATION
OPTIONS KEEP
MOUNTING.**

The AE-2000 goes just about anywhere it is needed. And it goes in style. An optional trim ring and a standard stainless steel enclosure with articulating double-lock configuration combine to make it wholly unique — the industry's only telephone entry system

with a living hinge that can also be flush mounted. The AE-2000 can also be surface mounted or put on a gooseneck to give you total installation flexibility.

**MORE OPTIONS
FOR A FULL-FEATURED
SYSTEM.**

In addition to the aforementioned remote control transmitters, color CCTV monitoring, alternative mounting accessories, and extended range antennas, the AE-2000 can be easily equipped with a No Phone Bill (NPB) interface module* to allow it to bypass the central office and connect directly to a user's phone system, thus eliminating the need for a separate phone line to the AE-2000. Similarly, a Multiple Input/Output (MIO) interface module* is available for monitoring additional points and for elevator control.

*Call factory for availability.



General Specifications

COMMUNICATIONS

Full Duplex, hands free operation

PROGRAMMING

Telephone Entry: 1-4 digit directory code length, display messages, talk time duration, extended talk time per user

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: 4 form "C" relays; both can be configured for open/close; all relay contacts have extensive RFI, ARC and lightning suppression

RS232: for local computer communications — 33.6 Kbps

Modem: for remote programming — 33.6 Kbps

Video: BNC connector for optional color camera

DISPLAY

Front Panel: Temperature compensated VGA LCD technology

Keypad Lighting: individual back-lighting per key

INPUTS

PBUS: 3 sets for interconnection of up to six proprietary addressable devices

Wiegand: 2 sets of Wiegand inputs for connecting 26, 30, or 31 bit Wiegand devices; each Wiegand input supports two LEDs

RF: integral 318 MHz super heterodyne receiver (requires optional AE-1000 or AE-2000 antenna)

Request To Exit: 4 normally open inputs; each input assigned to specific relay

LEDs: for configuration, status, and troubleshooting

Door Status: 4 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

POWER

Input Power: 120 VAC, 60 Hz

Operating Power: 12 or 24 VAC or VDC

OPERATING TEMPERATURE

-22° to +167°F (-30° to +75°C)

DIMENSIONS

Panel: 19" H x 15.25" W x 4" D

Trim Ring: 21" H x 17.25" W x 4" D

MEMORY

10,000 users; each can have directory code, keypad entry code, and card or transmitter; 20,000 event transaction log; all 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; wire connections via removable terminal blocks

ENCLOSURE

16 gauge powder coated steel cabinet; 16 gauge brushed stainless steel front panel with articulating double-lock configuration

STANDARD EQUIPMENT

AE-2000 Four Portal (with full access control) Telephone Entry system with built-in radio receiver, RS232 port, and modem for computer programming; accepts transmitters, keypads, and card readers as inputs; surface or gooseneck mounting standard

OPTIONAL EQUIPMENT

CCM-1: color camera receives power from control board

CPDM-1: digital modulator combines video output of camera with CATV source to allow tenants to view on their TVs who is at the AE-2000

TR-2000: trim ring for completely flush/recess mounting

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

No Phone Bill Interface: NPB interface modules allow AE-2000 to bypass central office and connect directly to user's phone system, eliminating need for phone line at AE-2000 (call for availability)

ANTENNAS

AE-1000: remote, omni directional; includes mounting hardware and five feet of cable

AE-2000: remote, directional-type; includes mounting hardware and ten feet of cable

Linear®



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