Linear®
Building On Innovation.

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These Linear products are available nationwide at hundreds of conveniently located local distributors branches. The innovative products are available where you need them and when you need them, making Linear the natural choice for your entry system solutions.

Linear products are distributed by:

All these brands are now under one name.

Table of Contents

Access Control Products

The ideal access control system balances the competing demands for security and convenience. It fulfills a wide range of functional requirements with minimum system complexity. It integrates high performance, reliability, and flexibility in equal measure. It is technically advanced yet functionally simple. It is backed by the design, engineering, and production resources of an acknowledged security and control technology leader. All of which accurately defines every access control solution that Linear delivers.

Traditional access control with the added dimension of radio: Our product line represents a completely modular approach. Your entry options are virtually unlimited. Telephone entry systems, keypads, and proximity devices can be integrated into a single network or furnished as individual sub-systems. Then, there's our specialty, radio technology, which can form the basis of an entire system or can be used to equip an existing site with remote keyless entry and panic button functions.

Systems from one to 32 entry points: Whether you need access control for a small office building, a multi-gated residential community, or a sprawling university campus, we have a system that can be precisely tailored by capacity and capability.

Locally programmable or computer-linked systems: We can provide a stand-alone system with its own software or access control that ties into other computer controlled systems. RS232 outputs allow Linear systems to be linked by computer for event/transaction logging or to other access control systems for remote radio capability.

Remote devices and add-on features: Knox boxes, postal keys, request-to-exit devices, and many other devices can all be planned into the initial system or installed on a retrofit basis. You'll find all the access control products you need on the pages that follow.

For technical support or for assistance in designing a system using Linear Access products, call us at (800) 421-1587.

ACCESS CONTROL FUNCTIONS

Stand Alone Systems

- Offices
- Warehouses
- Medical Clinics
- Office buildings with multiple entrances
- Small hospitals, several buildings with parking

Stand Alone Systems with Radio

- Gated communities
- Condominiums with adjacent underground parking, gates, and doors
- Buildings and offices in high crime areas

ACCESS CONTROL AND DURESS FUNCTIONS

Stand Alone Systems with Radio

- Door control and panic in small hospitals, especially with psychiatric wards
- Parking lot panic systems with gate/door control for building garages

Add-On Systems with Radio

- Business campuses
- College or private school campuses
- Medical access systems
- Courthouses
- Corporate human resource areas
- Government buildings

AE2000Plus
Commercial Telephone Entry System with Access Control
Four Gates/Doors, Large Screen

Product No. ACP00952

This advanced commercial telephone entry system has access control capabilities and is for sites with up to four doors and/or gates, each supporting request-to-exit and door status monitoring. The AE2000Plus has a 10,000-user capacity and a unique directory code for each user.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings and recreational facilities.

FEATURES

- Rugged stainless steel enclosure with articulated, double-locking front panel
- Temperature compensated, back-lit VGA resolution LCD display and back-lit keys
- Built-in microphone and speaker
- Built-in 318 MHz RF receiver
- Many installation choices: surface, recessed, gooseneck
- Local or remote programming using a PC and AccessBase2000 or through browser with built-in AXNET software
- 32 security levels, 32 time zones, 32 door schedules, and 24 holiday schedules
- Relay auto lock/unlock schedules
- Dimensions: 15.25" W x 19" H x 4" D

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

AVAILABLE ACCESSORIES

- AM-RPR Remote Proximity Receiver
- AM-RRR Remote Radio Receiver
- AM-KP Exterior Keypad
- RGR Remote Genie Receiver
- AM-PR Proximity Reader
- AM-PC Proximity Cards
- AM-PT Proximity Tags
- CPDM-1 Video Modulator for Access Cameras
- AM-CRI Card Reader Interface
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- CCM-1A Color Camera
- TR-2000 Trim Ring
- EXA-2000 Directional Remote Antenna
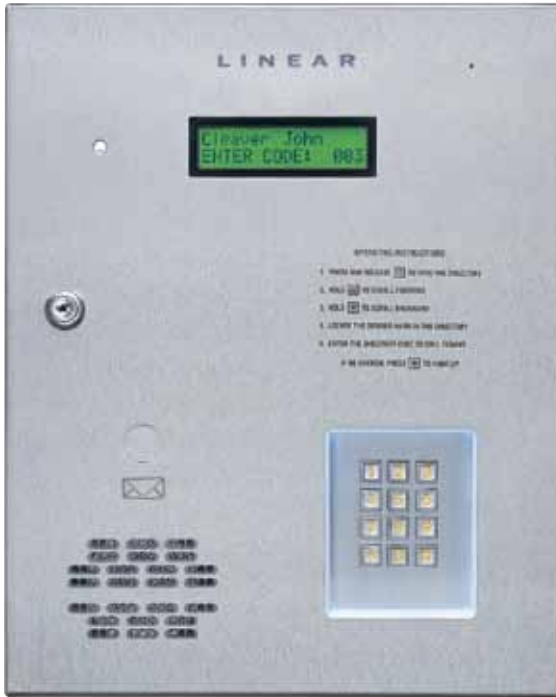- EXA-1000 Omni-directional Remote Antenna

MDT Series	AM-PR	AM-RPR	ACT-34D

Capabilities with AccessBase2000 Programming	**Capabilities with AXNET Programming**
Programming through dedicated PC	*Programming using ANY PC through browser software*
Up to 10,000 cardholders grouped in sets	Up to 2,000 cardholders
Up to 24 card blocks with up to 1,900 cards each (45,600 total)	Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 20,000 individually enrolled cards	Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total)	Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total)
Up to 20,000 individually enrolled transmitters	Up to 2,000 individually enrolled transmitters
Up to 20,000 entry codes for cardholders	Up to 2,000 key codes
Up to 20,000 telephone directory codes for cardholders	Up to 2,000 telephone directory codes
20,000 event log entries per unit	2,500 event log entries per unit
Up to 31 access time zones	Up to eight access time zones
Up to six PBUS and two Wiegand devices per unit	Up to four PBUS and two Wiegand devices per unit

AE1000Plus

Commercial Telephone Entry System with Access Control
Four Gates/Doors

Product No. ACP00951

This advanced commercial telephone entry system has access control capabilities and is for sites with up to four doors and/or gates, each supporting request-to-exit and door status monitoring. The AE1000Plus has a 10,000-user capacity and a unique directory code for each user.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings and recreational facilities.

FEATURES

- Rugged stainless steel enclosure
- Backlit two-line directory display with programmable display messages; sidelit 12-key telephone style keypad
- Built-in microphone and speaker
- Built-in 318 MHz RF receiver
- Many installation choices: surface, recessed, gooseneck
- Local or remote programming using a PC and AccessBase2000 or through browser with built-in AXNET software
- 32 security levels, 32 time zones, 32 door schedules, and 24 holiday schedules
- Relay auto lock/unlock schedules
- Dimensions: 13" W x 16.25" H x 3.5" D

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

AVAILABLE ACCESSORIES

- AM-RPR Remote Proximity Receiver
- AM-RRR Remote Radio Receiver
- AM-KP Exterior Keypad
- RGR Remote Genie Receiver
- AM-PR Proximity Reader
- AM-PC Proximity Cards
- AM-PT Proximity Tags
- CPDM-1 Video Modulator for Access Cameras
- AM-CRI Card Reader Interface
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- CCM-1A Color Camera
- TR-1000 Trim Ring
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna

MDT Series	AM-PR	AM-RPR	ACT-34D

Capabilities with AccessBase2000 Programming	Capabilities with AXNET Programming
Programming through dedicated PC	*Programming using ANY PC through browser software*
Up to 10,000 cardholders grouped in sets	Up to 2,000 cardholders
Up to 24 card blocks with up to 1,900 cards each (45,600 total)	Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 20,000 individually enrolled cards	Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total)	Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total)
Up to 20,000 individually enrolled transmitters	Up to 2,000 individually enrolled transmitters
Up to 20,000 entry codes for cardholders	Up to 2,000 key codes
Up to 20,000 telephone directory codes for cardholders	Up to 2,000 telephone directory codes
20,000 event log entries per unit	2,500 event log entries per unit
Up to 31 access time zones	Up to eight access time zones
Up to six PBUS and two Wiegand devices per unit	Up to four PBUS and two Wiegand devices per unit

AM3Plus
4-Portal Access Controller

Product No. ACP00950

An access controller for up to four points of entry, the AM3Plus is housed in a lockable, plastic enclosure that is monitored with a magnetic tamper switch. The AM3Plus features a 2-digit LED display, nine status indicators, four relay indicators with four relay activation pushbuttons, three programming buttons, a reset button, and a power indicator. The system controls its four output relays by responding to various input devices that react to proximity cards, transmitters, and entry codes. These output channels can be programmed to control electric door strikes, magnetic locks, door and gate operators, or barrier gates.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings and recreational facilities.

FEATURES

- Full control of 4 doors; each supporting request to exit and door status monitoring
- 2 Wiegand inputs for readers
- Add AM-CRI's for more Wiegand inputs
- Local or remote programming using a PC and AccessBase2000 or through browser with built-in AXNET software
- Remote programming using optional ACM-1 modem (ACP00905)
- Relay auto lock/unlock schedules
- Dimensions: 11.5" W x 12.5" H x 4" D

COMPATIBLE MODELS

- AE1000Plus Commercial Telephone Entry System with Access Control
- AE2000Plus Commercial Telephone Entry System with Access Control

ACM-1
Replacement Modem
Product No. ACP00905

COMPATIBLE TRANSMITTERS WITH AM-RRR

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- ACT-31D 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

AVAILABLE ACCESSORIES

- AM-RPR Remote Proximity Receiver
- AM-RRR Remote Radio Receiver
- AM-KP Exterior Keypad
- RGR Remote Genie Receiver
- AM-PR Proximity Reader
- AM-PC Proximity Cards
- AM-PT Proximity Tags
- AM-CRI Card Reader Interface
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- ACM-1 Replacement Modem (Field Option)
- AM-RRR Remote Radio Receiver

Capabilities with AccessBase2000 Programming *Programming through dedicated PC*	Capabilities with AXNET Programming *Programming using ANY PC through browser software*
Up to 10,000 cardholders grouped in sets	Up to 2,000 cardholders
Up to 24 card blocks with up to 1,900 cards each (45,600 total)	Up to 24 card blocks with up to 1,600 cards each (38,000 total)
Up to 20,000 individually enrolled cards	Up to 2,000 individually enrolled cards
Up to 24 transmitter blocks with up to 1,900 transmitters each (45,000 total) †	Up to 24 transmitter blocks with up to 1,600 transmitters each (38,400 total) †
Up to 20,000 individually enrolled transmitters †	Up to 2,000 individually enrolled transmitters †
Up to 20,000 entry codes for cardholders	Up to 2,000 key codes
Up to 20,000 telephone directory codes for cardholders	Up to 2,000 telephone directory codes
20,000 event log entries per unit	2,500 event log entries per unit
Up to 31 access time zones	Up to eight access time zones
Up to six PBUS and two Wiegand devices per unit	Up to four PBUS and two Wiegand devices per unit

† (AM-RRR remote receiver required)

Product No. ACP00899

EXA-2000

AM-KP

AE-500

Commercial Telephone Entry System
Two Gates/Doors

The AE-500 is for facilities with up to 250 residents or users. Housed in a locked, rugged stainless steel faced enclosure, it features a side-lit 12-key telephone style keypad with bright, easy-to-read graphics, a backlit two-line directory display with a programmable welcome message, a built-in microphone, and speaker.

APPLICATIONS

Gated communities, parking garages, office buildings, apartments, dormitories, hotels/motels, commercial buildings, and recreational facilities

FEATURES

- Economically priced
- Up to 250 user capacity
- Up to 500 block coded transmitter capacity
- Built-in 318 MHz RF receiver
- Many installation choices: surface, recessed, gooseneck
- Built-in modem for remote programming
- Multiple programming methods: from keypad, from touchtone telephone, from web browser
- Two configurable output relays
- Dimensions: 10.75" W x 12.75" H x 3.5" D

AVAILABLE ACCESSORIES

- AM-KP Exterior Keypad
- AM-KPI Interior Keypad
- MGT Gate Safety Edge Transmitter
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna
- CCM-1A Color Camera

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-22B 3-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring

AE-100
Commercial Telephone Entry System
One Gate/Door

This system is intended as a primary access control device for commercial sites with up to 125 residents. It can be used indoors or out. The AE-100 utilizes hands-free, full duplex telephone communications between visitors and residents for granting access. The backlit two-line directory LCD display scrolls a programmable welcome message and shows the directory Names and Directory Codes. The system contains a built-in microphone and a tamper resistant speaker. The heavy-duty access relay can control electric door strikes, magnetic locks, door and gate operators, or barrier gates. Multi-lingual display programming prompts and voice help is available with a choice of English, Spanish, French-Canadian, or Portuguese language selection for the system. The system can be programmed locally using the keypad, or remotely with a touch-tone telephone. Optional features that the AE-100 supports are provisions for postal lock and color CCTV camera installation (Model CCM-1A). The AE-100 is powered from a 16 VAC plug-in transformer.

Product No. ACP00937

APPLICATIONS

Small apartment buildings, condominiums, or gated communities

FEATURES
- Many installation choices: surface, recessed, gooseneck
- Stainless steel front panel
- Telephone style keypad with lighting
- Accepts a total of 125 directory listings or stand-alone entry codes
- TTY jack for connection to text communication devices for the hearing impaired
- Simple network capability with up to four units —allows transferring programming data from "master" unit to other sub-units.
- Two-line-16-character LCD display
- Removable terminal blocks
- Form "C" access relay rated at 10 amps AC and 7 amps DC @ 30 volts
- Load shed circuitry protects backup battery
- 9.75" W x 11.75" H x 3.5" D

AVAILABLE ACCESSORIES
- CCM-1A Color Camera
- 12VGB 12-volt 1.2 Amp/hour Rechargeable Gel-cell Battery
- TR-100 Trim Ring

CCM-1A

RE-1
Residential Telephone Entry System

The stylish RE-1 is designed for residential or light commercial access control. The speakerphone, keypad, radio receiver, and optional video camera are housed in a rugged enclosure that can be mounted to a pedestal or bolted directly to a wall. The die-cast keypad keys have bright, easy-to-read graphics and are lit with an overhead light. The two operation buttons; CALL and HELP, are machined for heavy-duty reliability

RE-1N Product No. ACP00892
RE-1SS Product No. ACP00896 (Not Shown)

APPLICATIONS

Single residences, commercial sites, employee parking

FEATURES
- Cast housing stainless steel finish (RE-1SS) or nickel finish (RE-1N)
- Downlighting
- User friendly voice prompts
- Two programmable outputs control two openings
- Obstacle reverse, alarm shunt
- Provisions for Knox Box
- Simple to program and maintain through on board keypad, touchtone telephone, or computer with modem
- 450 event memory log
- Supports 100 entry codes; 100 block-coded transmitters
- Built-in 318 MHz superheterodyne radio receiver
- Backup battery ready
- Dimensions: 6.45" W x 10.81" H x 3.74" D

AVAILABLE ACCESSORIES
- AM-KP Exterior Keypad
- GNB-1 Burial Mount Gooseneck
- GNC-1 Curb Mount Gooseneck
- RE-BWC1 Black & White Camera for RE-1

COMPATIBLE TRANSMITTERS
- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
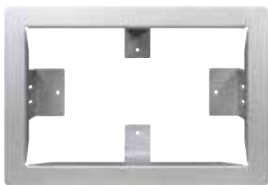
GNC-1

AM-KP

RE-2
Residential Telephone Entry System

RE-2N Product No. ACP00910

RE-2SS Product No. ACP00919

The contemporary styled RE-2 is for residential or light commercial access control. The speakerphone, keypad, radio receiver, and optional video camera are housed in a rugged enclosure that can be mounted to a pedestal, or bolted directly to a wall, or flush mounted in a column. The die-cast keypad keys have bright, easy-to-read graphics, and are lit with an overhead light. The two operation buttons; CALL and HELP, are machined for heavy-duty reliability.

APPLICATIONS

Single residences, commercial sites, employee parking

FEATURES

- Powder coated nickel or stainless steel finish
- Downlighting
- User friendly voice prompts
- Two programmable outputs control two openings
- Obstacle reverse, alarm shunt
- Provisions for Knox Box
- Simple to program and maintain through on board keypad, touchtone telephone, or computer with modem
- 450 event memory log
- Supports 100 entry codes; 100 block-coded transmitters
- Built-in 318 MHz superheterodyne radio receiver
- Backup battery ready
- Dimensions: 10.0" W x 6.25" H x 4" D

AVAILABLE ACCESSORIES

- AM-KP Exterior Keypad
- CPDM-1 Video Modulator for Access Cameras
- TR-RE2N RE-2N Trim Ring
- TR-RE2SS RE-2SS Trim Ring
- CCM-2A Color Camera
- EXA-2000 Directional Remote Antenna

COMPATIBLE TRANSMITTERS

- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-Channel Block Coded Key Ring
- ACT-34B 4-Channel Block Coded Key Ring
- ACT-21B 1-Channel Block Coded Key Ring
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring

TR-RE2SS

CCM-2A

AK-11, AKR-1, AK-21W, MDKP
Exterior Digital Keypads

Applications:

Airports, hospitals, warehouses, office buildings, parking lots, and many other commercial facilities

Product No. ACP00748

Product No. ACP00747

AK-11 Exterior Digital Keypad

The AK-11 is a digital keyless entry system housed in a rugged cast aluminum enclosure that can be mounted to a pedestal or bolted directly to a wall. Up to 480 entry codes, from 1 to 6 digits in length, can be programmed. They can activate either, or both, of the relay outputs.

AKR-1 Exterior Digital Keypad with Radio Receiver

The AKR-1 features an integral radio receiver for versatile access control functions. This exterior digital keypad is housed in a rugged cast aluminum enclosure that can be mounted to a pedestal or bolted directly to a wall. Linear's Model MGT safety edge transmitter is compatible with the AKR-1 and can be used to detect and transmit obstacle events to the receiver and activate Relay #2.

Product No. ACP00750

Product No. ACP00878

AK-2W Weather-Resistant Digital Keypad

The AK-21W is weather resistant and is housed in a rugged, plastic enclosure and for mounting in a standard single-gang electrical box. It is supplied with four different plastic snap-on mounting bezels to customize the look of the keypad. The satin-chrome bezel comes factory installed on the keypad. The white, ivory and bronze bezels are packaged separately.

MDKP Exterior Wireless Keypad

The MDKP can transmit a unique signal for each 1-6 digit PIN entered. It has a built-in radio transmitter with a 250-foot range in line-of-sight conditions. Codes are learned by either the access controller or receiver, the maximum number dependent upon the model used. To operate the MDKP, a user simply enters a PIN followed by the # key, and the code is transmitted to the receiver for validation. Downlighting can be turned on by pressing the # key twice; it remains on for 30 seconds or until a code is sent. Installation and set-up are simple. The MDKP can be mounted on either a wall or a gooseneck. It is ready to use upon plugging in its 9V lithium battery and programming of user codes.

AK-21, AK-31

Interior Digital Keypads

Applications:

Airports, hospitals, warehouses, office buildings, parking lots, and many other commercial facilities

Product No. ACP00749

Product No. ACP00751

AK-21 Interior Digital Keypad

The AK-21 is housed in a rugged, plastic enclosure for mounting in a standard single-gang electrical box. It is supplied with four different plastic snap-on mounting bezels to customize the look of the keypad. The satin-chrome bezel comes factory installed on the keypad. The white, ivory, and bronze bezels are packaged separately. All system indicators and lights are long-lasting, solid-state LEDs. An internal sounder beeps when each key is pressed.

AK-31 Low-Cost Interior Digital Keypad

The AK-31 is a low-cost interior digital keypad housed in a rugged, plastic enclosure for mounting in a standard single-gang electrical box. Two indicators show system status. The left lights red to indicate power, then turns green when access is granted. The right lights yellow when the keypad is in lockout condition (from too many incorrect code entries). An internal sounder beeps when each key is pressed.

AP-5
Wireless Access Controller
Two Gates or Doors

The AP-5 is a compact, wireless controller ideal for multiple access control requirements. It has three programmable relays - one is an access output, one is an obstacle output, and the third can be configured as either an access or obstacle output. Access relay activation timing is programmable from 1-120 seconds. The AP-5 features a built-in, high gain, superheterodyne receiver, which uses an external antenna to pick up signals from up to 250 feet away. It supports up to 480 Linear MegaCode® transmitters and up to six Model MGT safety edge transmitters can be assigned to the obstacle relay. The AP-5 can be powered from 12-24 Volts AC or DC. The Form C relay outputs can switch up to 1 Amp each. An EARTH GROUND terminal is provided as an optional connection for maximum lightning and static protection.

Product No. ACP00953

APPLICATIONS
Gated communities, parking facilities, and industrial sites

FEATURES
- Easy to set-up and use, up to 480 remotes can be programmed with a few keystrokes
- Easy to add, suspend, and delete transmitters through programming mode, no transmitter dipswitches to set
- Supports 480 block coded transmitters or 238 individual transmitters/wireless keypad entry codes
- Supports up to six fully supervised safety edge transmitters
- AP-5 replaces Linear's AP-4; AP-5 available for replacement of existing AP-4 units only
- RF frequency: 318 MHz
- Dimensions: 4.45" W x 5.75" H x 1.5" D without antenna

AVAILABLE ACCESSORIES
- MDKP Exterior Wireless Keypad
- EXA-2000 Directional Remote Antenna
- EXA-1000 Omni-directional Remote Antenna

COMPATIBLE TRANSMITTERS
- MDT-1B 1-Channel Block Coded Visor
- MDT-2B 3-Channel Block Coded Visor
- MDT-4B 5-Channel Block Coded Visor
- MT-1B 1-Channel Block Coded Visor
- MT-2B 2-Channel Block Coded Visor
- ACT-31B 1-channel Block Coded Key Ring Transmitter
- ACT-34B 4-channel Block Coded Key Ring Transmitter
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- MGT MegaCode Safety Edge Transmitter

MGT

ACT-34B

WOR
Wiegand Output Receiver

The WOR is a Wiegand Output Receiver for use as a wireless access control interface for Linear's block coded digital transmitters. The unit receives signals from transmitters, adds a facility code to the data, and sends the information via a 5-wire connection to a Wiegand input commonly available on most access control panels. Several transmitter and receiver options can be set using the unit's dipswitches. An on-board RADIO RANGE knob allows adjustment of the receiver's gain. Two indicators display the receivers performance and operation. Receiver test points are provided for listening to the incoming signals with an audio amplifier. The WOR is housed in a weather-resistant enclosure and can be mounted indoors or outdoors. Gaskets and a weather-tight wiring strain relief seal the unit from the elements.

Product No. ACP00727

EXA-1000   MDKP

COMPATIBLE TRANSMITTERS
- MDT-1B 1-channel Block Coded Visor Transmitter
- MDT-2B 3-channel Block Coded Visor Transmitter
- MDT-4B 5-channel Block Coded Visor Transmitter
- MT-1B 1-channel Block Coded Visor Transmitter
- MT-2B 2-channel Block Coded Visor Transmitter
- ACT-21B 1-channel Block Coded Key Ring Transmitter
- ACT-22B 3-channel Block Coded Key Ring Transmitter
- ACT-31B 1-channel Block Coded Key Ring Transmitter
- ACT-34B 4-channel Block Coded Key Ring Transmitter
- ACT-31C 1-Channel Custom Block Coded Key Ring
- ACT-34C 4-Channel Custom Block Coded Key Ring
- MDKP Exterior Wireless Keypad
- ACT-31D 1-Channel Block Coded Key Ring
  TRANS PROX Transmitter & Proximity Tag
- ACT-34D 4-Channel Block Coded Key Ring
  TRANS PROX Transmitter & Proximity Tag

APPLICATIONS

Airports, hospitals, warehouses, office buildings, parking lots, and many other commercial facilities

FEATURES
- Easy way to equip existing installations with radio transmitter access
- Keyless entry offers user convenience, safety, and security for triggering gates, barrier arms, and doors
- Ideal way to facilitate handicapped access
- Multi-button transmitters can double as personal emergency devices for triggering security alarms
- RF input/Wiegand output receiver supports 26, 30, and 31-bit Wiegand data formats
- Wide selection of MegaCode (over 1 million codes) format transmitters, with available block coding
- Field adjustable read range - from 5 to 500 feet
- Connects as easily as a card reader; transmitters are added like cards, with no software changes required
- Facility and ID codes tailored to system requirements
- RF frequency: 318 MHz
- Dimensions: 4.25" W x 6.25" H x 2.5" D

AVAILABLE ACCESSORIES
- EXA-1000 Omni-directional Remote Antenna
- EXA-2000 Directional Remote Antenna

AM-RRR
Remote Radio Receiver

The AM-RRR Remote Radio Receiver is for use with Linear's access control systems. It functions as a remote device that extends the radio range or supplies localized radio reception.

FEATURES
- Provides extended range for radio-based access control system
- Up to 500 foot radius radio coverage
- Weather-resistant housing for outside or indoor mounting
- Optional directional remote or omnidirectional remote antennas
- Integral radio gain control for adjustment of radio range
- Power supplied by access controller
- Compatible with all MegaCode transmitters
- Compatible with AM3Plus, AE1000Plus, and AE2000Plus ONLY
- RF frequency: 318 MHz
- 4.25" W x 6.25" H x 2.5" D without antenna
- **See page 16 for compatible transmitters**

Product No. ACP00500

AM-RPR
Remote Proximity Receiver

The AM-RPR Remote Proximity Receiver is for use with Linear's access control systems. It functions as a remote device that supplies localized radio reception.

FEATURES
- Convenient, cost-effective, and reliable form of door or entrance control
- 2-to-3-inch radio transmitter read range prevents transmitter from being detected by wrong receiver
- 2-color status LED indicates "power on" and "access granted"
- Installs in a single-gang electrical box
- Compatible with all MegaCode transmitters
- Compatible with AM3Plus, AE1000Plus, and AE2000Plus ONLY
- 2.7" W x 4.5" H x 2" D
- **See page 16 for compatible transmitters**

Product No. ACP00560

AM-KP
Exterior Keypad

Product No. ACP00520

The Model AM-KP keypad is housed in a rugged cast aluminum enclosure. The die-cast keys have bright, easy-to-read yellow graphics. Each key has a positive tactile click feel when pressed. An incandescent panel lamp lights the keypad for nighttime use. Red, green and yellow indicators show power, access and lockout conditions

FEATURES
- For use outdoors or indoors
- 1-to-8-digit user selectable access codes
- Programmable downlighting
- Separate LEDs for "power/access granted" and "locked out" indication
- Gooseneck or wall mounting
- Cast aluminum, environmentally protected housing
- Keylock secures keypad to mounting backplate
- Compatible with AM3Plus, AE1000Plus, AE2000Plus, AE-500, RE-1, and RE-2 ONLY
- 4" W x 5.5" H x 3" D

AM-KPI
Interior Keypad

Product No. ACP00887

The Model AM-KPI Interior Keypad is housed in a rugged, plastic enclosure and is designed to be mounted indoors in a standard single-gang electrical box. The keypad is supplied with a satin-chrome plastic bezel installed. Three interchangeable colored plastic bezels (white, ivory, & bronze) are included with the unit to customize the keypad appearance for the installation.

FEATURES
- Programmable white LED downlighting
- Separate LEDs for "power/access granted" and "locked out" indication
- Mounts in a single gang electrical box using security screws; tool included
- Compatible with AM3Plus, AE1000Plus, AE2000Plus, and AE-500 ONLY
- 3" W x 5" H x 3" D

AM-PR
Proximity Reader

The AM-PR is a close-range reader that works with either proximity tags or proximity cards. The AM-PR is rugged, rated for extreme weather, and vandal resistant.

FEATURES
- Compatible with all Wiegand formats up to 40 bits
- Weather resistant and vandal resistant
- 4 to 6 inch read range
- Supports up to 65,000 cards
- Easy to install
- Integral LED confirms when user access is granted
- Compatible with AM3Plus, AE1000Plus, and AE2000Plus ONLY
- 1.6" W x 3.4" H x .6" D

Product No. ACP00740

AM-PC
Proximity Cards

The Model AM-PC Proximity Card is a Wiegand format proximity type access control card with a slot for attaching to a key ring, use with AM-PR proximity reader.

FEATURES
- Passive operation
- Low-cost
- Durable
- 25 piece bulk pack

Product No. ACP00739

AM-PT
Proximity Tags

The Model AM-PT Proximity Tag is a Wiegand format proximity type miniature access control tag with a slot for attaching to a key ring, use with AM-PR proximity reader, sold in lots of 25.

FEATURES
- Passive operation
- Small size
- Low-cost
- Durable
- 25 piece bulk pack

Product No. ACP00742

AM-CRI
Card Reader Interface

The AM-CRI is a card reader that will support one or two 26-bit, 30-bit, or 31-bit Wiegand input devices. If the readers used have a hold or buffer connection, two readers may be used to the AM-CRI. If the readers do not have a hold or buffer connection, one reader may be used with the AM-CRI. Usually mounted near the readers, the AM-CRI interface connects to the control unit through a PBUS cable. Each reader connects to the AM-CRI through a six-wire (one LED in reader) or seven-wire (two LEDs in reader) cable.

FEATURES

- For equipping a Linear access control system with one or two Wiegand devices
- Card Reader Interface can be used with up to two 26, 30, or 31-Bit Wiegand input devices
- Power is supplied by system controller or external source for locally powered readers
- 4.45" W x 5.75" H x 1.5" D

Product No. ACP00717

MGT
Gate Safety Edge Transmitter

The MGT adds fully supervised obstacle sensing for motorized gates, doors, or barrier arms in any Linear access control system or APeX Controller equipped gate operators. It mounts directly on the gate, door, or barrier and wires to a standard exterior safety edge sensor.

FEATURES

- Signals access controller for stop or reverse when safety edge activates
- No extra cables or coiled wires to controller
- Power: 2 Model 2450 lithium batteries
- Frequency: 318 MHz
- Codes: 1,000,000+ (factory precoded)
- Dimensions: 4.28" W 2.9" H x 2.2" D
- Compatible with AM3Plus, AE1000Plus, AE2000Plus, AE-500, RE-1, RE-2, AP-5, APeX Controller equipped gate operators, and MegaCode receivers

Product No. DNT00068

CCM-1A
Color Camera

Product No. ACP00904A

The Model CCM-1A Color Camera mounts inside Linear's commercial access controllers. The camera provides color day/night camera captures images with great detail in not only well-lit environments, but also in low-light conditions. In daytime, the CCM-1A will provide a full-color image and a black-and-white image in low light periods, such as dusk and dawn.

FEATURES
- Color CCD camera
- Bracket for mounting inside the access controller
- Plug-in connector for power and video
- Fits in Models AE-100, AE-500, AE1000Plus and AE2000Plus

CCM-2A
Color Camera

Product No. ACP00936A

The Model CCM-2A Color Camera mounts inside Linear's RE-2 telephone entry system. The camera provides color day/night camera captures images with great detail in not only well-lit environments, but also in low-light conditions. In daytime, the CCM-2A will provide a full-color image and a black-and-white image in low light periods, such as dusk and dawn.

FEATURES
- Color CCD camera
- Bracket for mounting inside the telephone entry system
- Plug-in connector for power and video
- Fits in Models RE-2N and RE-2SS

RE-BWC1
Black & White Camera

The Model RE-BWC1 Black & White Camera mounts inside Linear's RE-1 residential telephone entry system and provides black and white video of the entry system visitor. Built-in infrared illuminators help to light the subject in low-light conditions.

FEATURES
- Field upgradeable
- Receives power from RE-1. No need to run additional power
- Contains infrared illuminators to allow visibility in complete darkness
- Fits in Models RE-1N and RE-1SS

Product No. ACP00886A

CDPM-1
Video Modulator for Access Cameras

This digital modulator converts any baseband NTSC video and audio signal to a selected UHF or Ultraband CATV channel. A quartz crystal reference oscillator and PLL circuitry ensure drift-free performance. The modulator can be used to convert video signals from Linear's access control systems to UHF or CATV signals that can be viewed on a standard television set at the installation.

FEATURES
- Converts the access system's camera video signal to a UHF or CATV channel television signal
- A quartz crystal reference oscillator and PLL circuitry ensure drift-free performance
- A television connected to the modulator's output will receive the signal when the television is tuned to the modulator's programed channel

Product No. AAE00436

EXA-1000
Omni-directional Remote Antenna

The EXA-1000 can be connected to the F connector on many Linear receivers to improve their range when they must be located in poor signal reception locations.

FEATURES
- U-bolt for post mounting
- Includes 5 feet of coax
- 3" W x 19.5" H x 6" D

Product No. AAE00198

EXA-2000
Directional Remote Antenna

The EXA-2000 can be connected to the F connector on many Linear receivers to improve their range in a specific direction when they must be located in poor signal reception locations.

FEATURES
- Paintable PVC housing
- Includes 10 feet of coax
- Two mounting brackets included
- 21" W x 5" H x 1.5" D

Product No. AAE00331

GNB-1
Burial-mount Gooseneck

The GNB-1 Burial Mount Gooseneck is used for easy installation of keypads, telephone entry systems, and other access control products.

FEATURES
- Burial mount configuration
- Rugged, weather resistant, powder coated rolled steel construction
- Universal bolt pattern on base plate and faceplate fits all manufacturer's products
- 4" W x 74" H x 13" D

Product No. ACP00907

GNC-1
Curb-mount Gooseneck

The Model GNC-1 Curb Mount Gooseneck is used for easy installation of keypads, telephone entry systems, and other access control products.

FEATURES
- Curb mount configuration
- Rugged, weather resistant, powder coated rolled steel construction
- Universal bolt pattern on base plate and faceplate fits all manufacturer's products
- 5.25" W x 44" H x 15.5" D

OPTIONAL GOOSENECK STANDS (NOT SHOWN)
- 2120-428-BT Bi-level, with universal mounting. 1.5" dia. round
- 2120-392 Truck height only, 83", 1.5" dia. round
- 2820-067 For special stand (must provide specifications) - Contact factory

COMPATIBLE MODELS
- AK-11 Exterior Digital Keypad
- AKR-1 Exterior Digital Keypad with Radio Receiver
- AE-100 Commercial Telephone Entry System
- AE-500 Commercial Telephone Entry System
- AE1000Plus Commercial Telephone Entry System with Access Control
- AE2000Plus Commercial Telephone Entry System with Access Control
- AM-KP Exterior Keypad
- MDKP Exterior Wireless Keypad
- RE-1N Residential Telephone Entry System
- RE-1SS Residential Telephone Entry System
- RE-2N Residential Telephone Entry System
- RE-2SS Residential Telephone Entry System

Product No. ACP00906

TR-100
Trim Ring

The TR-100 is for recess mounting the Model AE-100 Commercial Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The AE-100 attaches to the mounting ring.

FEATURES
- Bendable mounting tabs
- Stainless steel finish matches AE-100 case
- Mounting hole size 10" W x 12" H

Product No. ACP00941

TR-500
Trim Ring

The TR-500 is for recess mounting the Model AE-500 Commercial Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The AE-500 attaches to the mounting ring.

FEATURES
- Bendable mounting tabs
- Stainless steel finish matches AE-500 case
- Mounting hole size 13" W x 11" H

Product No. ACP00908

TR-1000
Trim Ring

The TR-1000 is for recess mounting the Model AE1000Plus Commercial Telephone Entry System with Access Control. The flush-mount trim ring attaches to the wall studs or custom framing. The AE1000Plus attaches to the mounting ring.

FEATURES
- Bendable mounting tabs
- Stainless steel finish matches AE1000Plus case
- Mounting hole size 13-1/4" W x 16-1/4" H

Product No. ACP00909

TR-2000
Trim Ring

The TR-2000 is for recess mounting the Model AE2000Plus Commercial Telephone Entry System with Access Control. The flush-mount trim ring attaches to the wall studs or custom framing. The AE2000Plus attaches to the mounting ring.

FEATURES
- Bendable mounting tabs
- Stainless steel finish matches AE2000Plus case
- Mounting hole size 15-1/2" W x 19" H

Product No. ACP00914

TR-RE2N
Trim Ring

The TR-RE2N is for recess mounting a Model RE-2N Residential Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The RE-2N attaches to the mounting ring.

FEATURES
- Bendable mounting tabs
- Nickel finish matches RE-2N case
- Mounting hole size 10-1/4" W x 6-1/4" H

Product No. ACP00915

TR-RE2SS
Trim Ring

The TR-RE2SS is for recess mounting a RE-2SS Residential Telephone Entry System. The flush-mount trim ring attaches to the wall studs or custom framing. The RE-2SS attaches to the mounting ring.

FEATURES
- Bendable mounting tabs
- Stainless steel finish matches RE-2SS case
- Mounting hole size 10-1/4" W x 6-1/4" H

Product No. ACP00917

CAB-1
Metal Indoor Cabinet

The CAB-1 is a metal cabinet for housing the AM3Plus. It is for use in indoor applications.

FEATURES
- Locking metal cabinet
- For indoor use
- Lock included
- 11.25″ W x 14.25″ H x 3.5″ D

Product No. ACP00420

CAB-3
Metal Outdoor Cabinet

The CAB-3 is a NEMA 3R rated metal cabinet for housing the AP-5 or AM3Plus. It is for use in outdoor applications.

FEATURES
- Locking metal cabinet
- For exterior use
- NEMA 3R rated
- Lock included
- Provisions for padlock
- 12″ W x 12″ H x 4″ D

Product No. ACP00913

The following transmitters are compatible with Linear access control receivers. Please reference the Linear Radio section of this catalog for specific information on each model.

FACTORY BLOCK CODED / KEYCHAIN MODELS

ACT-31B: 1-Channel Block Coded Key Ring Transmitter

ACT-34B: 4-Channel Block Coded Key Ring Transmitter

ACT-31D: 1-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

ACT-34D: 4-Channel Block Coded Key Ring TRANS PROX Transmitter & Proximity Tag

FACTORY BLOCK CODED / VISOR MODELS

MT-1B: 1-Channel Block Coded Visor Transmitter

MT-2B: 2-Channel Block Coded Visor Transmitter

CUSTOM BLOCK CODED / KEYCHAIN MODELS

ACT-21B: 1-Channel Custom Block Coded Key Ring Transmitter

ACT-22B: 3-Channel Custom Block Coded Key Ring Transmitter

ACT-31C: 1-Channel Custom Block Coded Key Ring Transmitter

ACT-34C: 4-Channel Custom Block Coded Key Ring Transmitter

CUSTOM BLOCK CODED / VISOR MODELS

MDT-1B: 1-Channel Custom Block Coded Visor Transmitter

MDT-2B: 2-Channel Custom Block Coded Visor Transmitter

MDT-4B: 4-Channel Custom Block Coded Visor Transmitter