

Linear ACCESS[®]

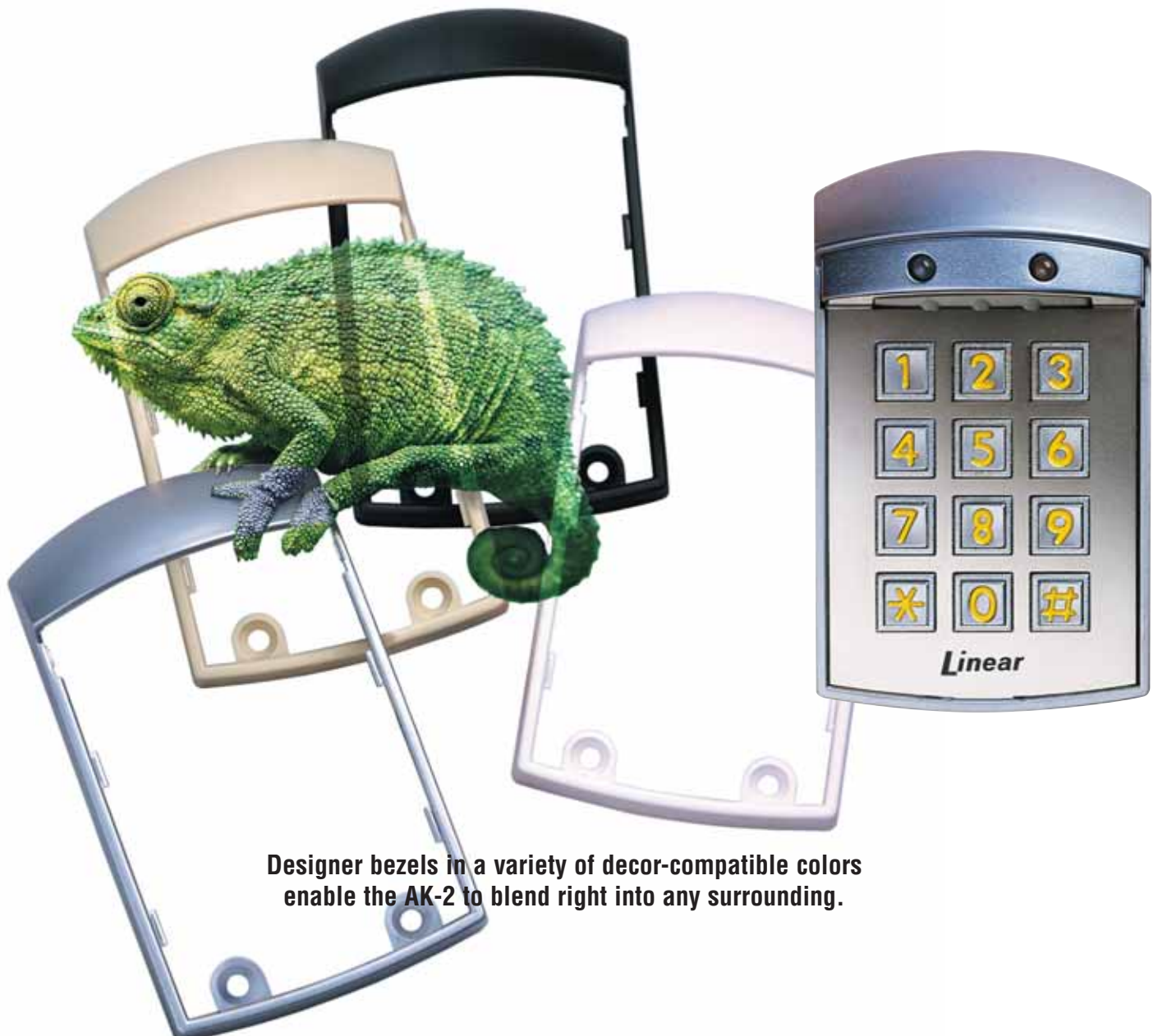
AK-2 Digital Keypad Entry System



**Interior design comes to
access control.**

The AK-2: Interior design comes to access control.

- Attractive contemporary styling with interchangeable decor-compatible bezels.
- Up to 480 programmable codes; two Form C relay outputs.
 - Rugged metal keys made to last.
- Brilliant down light illuminates keys continuously.
 - Tactile and audible feedback.
- Operating voltage — 12 to 24 volts, AC or DC.
- Ideal for airports, hospitals, warehouses, office buildings, parking lots, any many other commercial facilities.
 - Two LED indicators show system status.
- Tamper-proof hex screws secure keypad to back mounting plate.



Designer bezels in a variety of decor-compatible colors enable the AK-2 to blend right into any surrounding.

A self-contained keyless entry system ideal for a wide range of interior applications.

Linear's AK-2 digital keypad entry system is an excellent way to control access at a single interior entry point for up to 480 users. Its distinctive appearance is made all the more unique by interchangeable bezels designed to fit right into the decor of its mounting location. Rugged metal keys further differentiate it from standard keypads that use plastic keys. An operating voltage of 12 to 24 volts AC or DC makes the AK-2 suitable for virtually any interior keypad application.

Ease of use is another key feature. A striking downlight illuminates the keypad at all times at 25% brightness. When a key is pressed, brightness is increased to full strength and remains on at that level for two minutes. An internal sounder beeps with each key press and can be programmed to remain on for the duration of an active output (relay or solid-state).

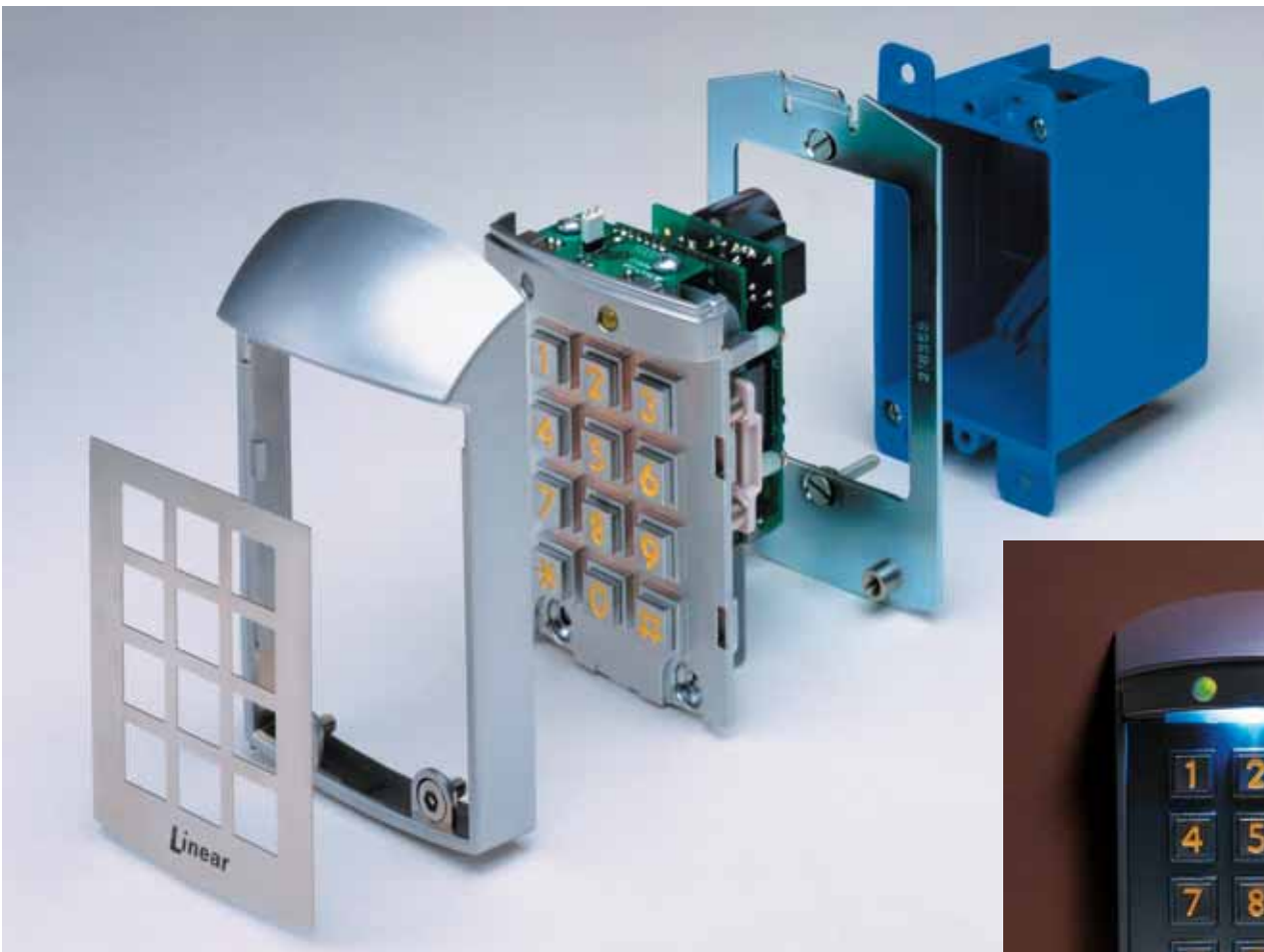
Each user is assigned a one-to-six digit PIN code. Valid entry of this PIN activates either or both of the AK-2's relays, which initiates an action, such as releasing a door strike/magnetic lock. The AK-2 will lock out all entries for a full 60 seconds following several invalid entry code attempts (programmable from two to seven attempts). In

addition, an "anti-passback" feature prevents use of the same code twice before a programmed time elapses.

The system features four independent outputs with four independent timers. Many input/output programming options are available. For instance, the AK-2's door sense/inhibit input offers a choice: if programmed for door sense, it causes a switch on the door to detect forced entry or door ajar situations; if programmed for inhibit, it can be wired to a service switch or automatic timer that will disable relay #1 as required. The system also has a request-to-enter input that can be wired to a pushbutton or fire access keyswitch to provide "codeless" entry for authorized personnel. The AK-2 can be wired to shunt alarm contacts on the door or gate to prevent alarm triggering when authorized access occurs.

The system's two solid-state outputs can switch 100 mA to common and are programmable to signal forced entry, door ajar, lockout, alarm circuit shunting, request-to-enter, and keypad active conditions.

Other features programmable from the system's keypad include: entry code length (1 to 6 digits); adding a new PIN; erasing a single PIN; erasing all PINs; changing master programming code; and on-time for each of the four outputs. EEPROM memory retains all entry codes and programming, even without power.



Specifications

MECHANICAL

Dimensions: 3.00 in W x 5.00 in H x 3.00 in D
(76.2 x 127 x 76.2 mm)

ELECTRICAL

Voltage: 12-24 Vac or Vdc (ac supply must be transformer isolated) ; power can be from access device or separate supply

Current: 30 mA typical, 150 mA maximum

OUTPUTS

Relays: Relay #1 (Main), Form "C" 5 Amps @ 28 Volts maximum; Relay #2 (Auxiliary), Form "C" 1 Amp @ 28 Volts maximum

Solid-State Outputs: Outputs #3 and #4, short to common 100 mA @ 30 Vdc maximum

Display: two LEDs for system activity and program information

Sounder: programmable activation from key presses or output activation

INPUTS

Request To Exit: terminal input activates the programmed relay or solid-state output

Sense: monitors status of a protected door or can be programmed to restrict access to Relay #1

Keypad: 12-digit keypad with die cast metal keys and tactile feel used for programming and code entry

ENVIRONMENTAL

Temperature: -22°F to +149°F (-30°C to +65°C)

Humidity: 5% to 95% non-condensing.

Specifications subject to change without notice.

Total Control. Inside and Out.

The ideal access control system balances the competing demands for security and convenience. It is technically advanced yet functionally simple. And it is backed by the design, engineering, and production resources of an acknowledged security and control technology leader.

That means for building your ideal system, there's no better resource than Linear. We offer stand-alone systems, stand-alone systems with radio (our specialty), networking software, individual access control products and accessories — whatever you need to make your installation a success.



Linear®

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