

AK-3

Digital Keypad Entry System

**Designed for interior locales
and heavy usage.**



- **Up to 480 codes programmable from the keypad**
 - **4 independent outputs with programmable actions, activation times**
 - **Die-cast metal keys**
 - **2 Form "C" relay outputs**
- **Dual color status indicators to display access, lockout, and programming data**
 - **Audible and tactile feedback**
- **"Door sense" input for control of auto relock and door-ajar features**

The AK-3 has the same feature set as Linear's other access control keypads, the interior AK-2 and the exterior AK-1; however, there is one important distinction — the AK-3 carries a lower price tag to encourage widespread use. It has die-cast metal keys with bright yellow graphics and is housed in a standard single-gang electrical box for quick, easy installation. Tactile feedback ensures complete key presses, an internal sounder with two selectable volume levels



confirms each key press and output action with a beep.

Its up to 480 entry codes (1 to 6 digits each) can be programmed via the keypad (no separate programmer is required). Each code can activate either or both of the AK-3's relay outputs and can grant access to different doors. Anti-passback prevents use of the same code again before programmed time elapses.

Users are alerted to system status by a pair of long-lasting, solid-state LEDs. The left indicator is red to show power is on; it turns green when access is granted. The right indicator lights yellow during a "lockout" from too many incorrect code entries.

Power is supplied by either a 12-24 volt ac or dc source, obtained from either the access device or a separate power supply. Even without power, EEPROM memory retains all entry codes and programming.

SENSE input: Can be used two ways. If programmed for "door sense," the input is wired to a normally closed switch on the door to detect when the door is open or closed. Forced entry or door ajar situations can be detected. If programmed for "inhibit," the input can be wired to a service switch or timer to disable the main relay.

REQUEST-TO-EXIT input: Can be wired to a pushbutton or any other request-to-exit device for activation of main relay, auxiliary relay, output 3, or output 4.

ALARM shunt: This output activates when access is granted. It can be wired to shunt alarm contacts on the access door/gate to prevent triggering of an alarm when authorized access occurs.

Specifications

MECHANICAL

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

ELECTRICAL

Voltage: 12-24 volts ac or dc

Current: 30 mA typical; 150 mA maximum

Outputs:

- Main relay: Form "C" 5 Amps @ 28 volts maximum
- Auxiliary relay: Form "C" 1 Amp @ 28 volts maximum
- Solid-state outputs (outputs #3 and #4): short-to-common 100 mA @ 24 Vdc maximum

ENVIRONMENTAL

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

Humidity: 5% to 95% non-condensing

Specifications subject to change without notice.



For over four decades, Linear has been a leader in the development of radio frequency transmitters and receivers for the professional security market. We offer a wide range of wireless add-ons, as well as a variety of complete systems based on these RF links. Whatever you need for creating wireless and hybrid security is available from us — panics, remotes, door/windows, smokes, PIRs, bill traps, glass breaks, plus all the receivers and controllers that support them.



Our product line represents a completely modular approach to access control. Your entry options are virtually unlimited. Telephone entry systems, keypads, and proximity devices can be integrated into a single network or furnished as individual subsystems. 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 keyless entry and panic button functions.

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