

CONTROLLERS

AccessKey With Radio Model AKR-1



- **All the features of the AccessKey AK-1, plus the added capabilities of a built-in radio receiver.**
- **Rugged, cast aluminum enclosure for indoor or outdoor mounting on a wall or pedestal.**
- **Accepts 480 entry codes, 480 block code transmitters, plus one fully supervised safety edge transmitter.**
- **Easy-to-program, easy-to-use keypad.**

The AKR-1 is a digital keypad entry system that includes a built-in radio receiver. It allows use of up to 480 block coded transmitters, in addition to 480 traditional keypad entry codes. Users can be assigned either type of code for system access.

Two relay outputs are provided: one for gate or door access; the other for gate obstacle control using the MGT, the industry's only supervised safety edge transmitter. If an MGT is not used, the second relay can control another door or gate.

Installation and set-up are simple. The AKR-1 operates on 12-24 volts, ac or dc. It can be powered directly from the radio power output of most gate operators. Learning, suspending, or deleting entry codes or transmitters is as easy as pressing a few keys on the AKR-1's built-in keypad.

Program data is stored in non-volatile EEPROM; data retention is in excess of 10 years, even in the event of a power failure.

The AKR-1 is compatible with all of Linear's block coded transmitters, which are programmed and supplied in sequential order. Each transmitter is labeled with its unique ID code and also has a facility code. The combination of these two codes provides the same level of security as a traditional Wiegand swipe or proximity card.

General Specifications

OUTPUTS

Relay: two form "C" relays rated at 1A @ 24 Vac or Vdc; one for control and one for obstacle

Display: two LEDs for system activity and program information

Sounder: programmable activation from key presses or output activation

INPUTS

RF: integral 318 MHz super regenerative receiver @ -95 dBm sensitivity (nominal); receives Linear block code transmitters

Open Request: terminal input activates the programmed control relay

Door Sense/Inhibit: monitors status of a protected door or can be programmed to restrict access to relay 1

Keypad: monitors status of a protected door or can be programmed to restrict access to relay 1

POWER

12 to 24 Vac or Vdc; 150 mA maximum

OPERATING TEMPERATURE

-22° to +149° F (-30° to +65° C)

DIMENSIONS

4.00 in W x 7.00 in H x 3.00 in D (101.6 x 177.8 x 76.2 mm)

STANDARD EQUIPMENT

AKR-1 keypad with built-in receiver and integral vandal-resistant antenna