

**Linear** ACCESS<sup>®</sup>

# AccessPro Controller Model AP-5

- **Multipurpose wireless access controller ideal for vehicular gate, pedestrian gate, or entry door access**
- **3 relay outputs offer flexibility to control a combination of entry points or obstacle inputs**
- **Access relay activation time programmable up to 120 seconds.**
- **Access relays are programmable for timed or latch operation.**
- **Easy to set-up and use — supports 480 block coded transmitters or 238 individual transmitters/wireless keypad entry codes.**
- **Supports six fully supervised gate safety edge transmitters.**

The AP-5 is a stand alone wireless access controller capable of receiving MegaCode signals from Linear's block coded transmitters up to 500 feet away. It has three separate relays: access, obstacle, and one configurable to either access or obstacle. This system architecture makes it easy to setup, program and configure for applications requiring access control, vehicular gates, pedestrian gates, door strike or mag-locks of commercial office building doors, or any combination. Its wireless design and smaller size makes it suitable for mounting near all access devices.

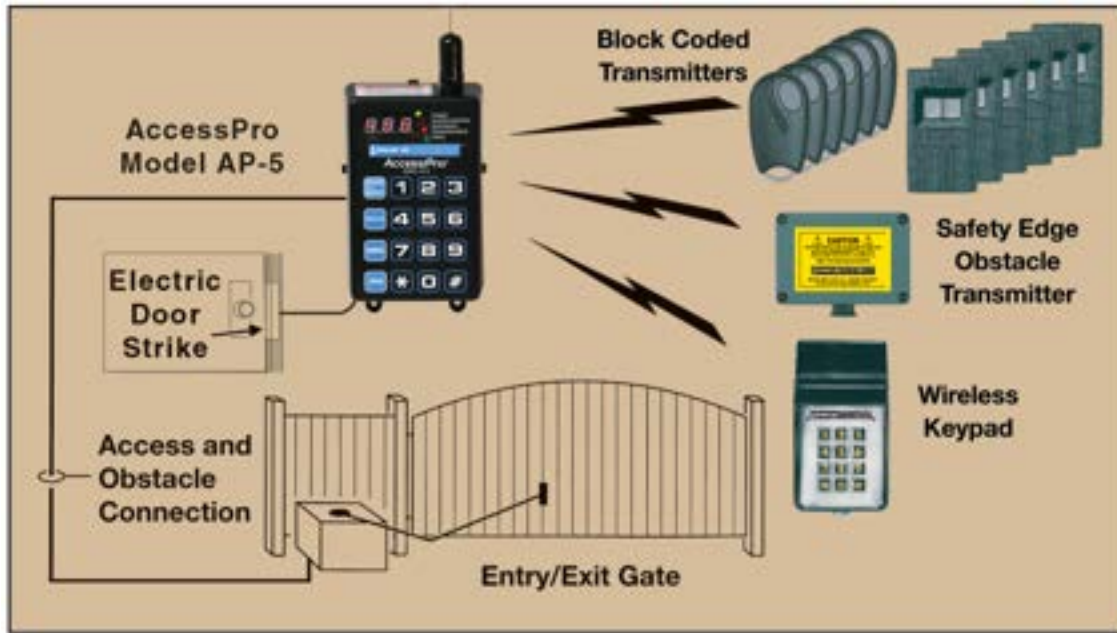
The Access relays of AP-5 are programmable for activation time from 1 to 120 seconds or for latch mode. For automatic swing and slide gates, up to six gate edge transmitters (Linear's model MGT) can be assigned to obstacle relays to detect entrapment and to trigger an obstacle input on the operator. The MGT is fully supervised gate safety edge transmitter and automatically sends an hourly status report to the AP-5, indicating battery condition and if the transmitter is operational. Should the edge sensor be disconnected, shorted, or tampered with, the MGT will report a trouble condition.

The AP-5 is compatible with Linear's block coded MegaCode format transmitters, which come factory programmed with one of over 1,000,000 possible codes, all but eliminating any chance of duplication. It accepts either 480 block coded transmitters or 238 individual transmitters or wireless keypad entry codes. For the latter, the AP-5 can be used with Linear's wireless MDKP and MDTK keypads, which accept user codes of two to six digits and transmit them to the AP-5 controller where access is granted or denied.

Installation and set-up is simple. The AP-5 operates on 12-24 volts, AC or DC. It can be powered directly from the radio power output of most gate operators. Learning or suspending transmitters is as simple as pressing a few keys on the AP-5's built-in keypad. Program data is stored in non-volatile EEPROM; data retention is in excess of ten years, even in the event of a power failure. In the access control system, the AP-5 represents tremendous value with many operational and safety features.



# Typical Application



## General Specifications

### OUTPUTS

**Relay:** three form “C” relays, rated at 1 amp @ 24 volts AC or DC; access, obstacle, and one configurable to either access or obstacle

**Display:** three seven-segment displays to provide system activity and program data; LEDs used in conjunction with displays to provide transmitter and radio activity

### INPUTS

**RF:** integral 318 MHz superheterodyne receiver @ -100 dBm sensitivity (nominal); receives MegaCode transmitters

**Open Request:** terminal input and button activation triggers the control relay

**Keypad:** integral 16-key membrane style keypad with tactile feedback

### POWER

12 to 24 volts AC or DC, 190 mA maximum

### OPERATING TEMPERATURE

-22° to +170°F (-30° to +77°C)

### DIMENSIONS

3.625 in W x 5.25 in H x 1.5 in D (92 x 133 x 38 mm)

### STANDARD EQUIPMENT

9-1/2 inch whip antenna; 3 feet of coaxial cable; barrel connector

### COMPATIBLE ACCESSORIES

#### Antennas:

**EXA-1000:** remote, omnidirectional; includes mounting hardware and five feet of cable

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

**Wireless Keypad:** Linear’s MDKP and MDTK

**Transmitters:** Linear’s block coded MegaCode models –

#### The visor-style models

MDT-1B 1-channel

MDT-2B 3-channel

MDT-4B 5-channel

MT-1B 1-channel

MT-2B 2-channel

#### Key ring style models

ACT-31B 1-channel

ACT-34B 4-channel

ACT-31C 1-channel custom

ACT-34C 4-channel custom

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