Linear RGGESS"

AccessPro®

AP-5

Multi-purpose Wireless Access Controller

With High-gain Superheterodyne Receiver Installation Instructions

DEK CANADA INC. 1928 ST-REGIS BLVD., DORVAL, QC, H9P 1H6

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MEGAGODE

INTRODUCTION

The AP-5 is designed for a broad range of access control applications. Its wireless design and small size make it easily adaptable for a variety of access control requirements. Typically, the AP-5 is used to control one or two door strikes, barrier gates, automatic gates, or door operators.

The AP-5 contains a high-gain superheterodyne UHF receiver which uses an external antenna to pick up signals from up to 500 feet away. Up to 480 Linear MegaCode® transmitters and six Model MGT safety edge transmitters can be programmed into the AP-5's memory. The AP-5 will retain its memory, even without power.

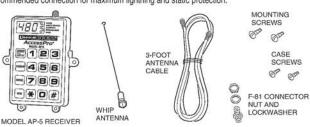
Three dry contact relays are provided. The first relay (K1) is always for ACCESS. The second relay (K2) can be set for ACCESS or OBSTACLE. The third relay (K3) is always an OBSTACLE relay. An ACCESS relay can be programmed to be either timed or toggled. In *timed* mode, the relay can each be programmed to activate from 1 to 120 seconds (default 2 seconds). In *toggle* mode, activating a transmitter will latch the relay, activating the transmitter again will un-latch the relay. An OBSTACLE relay will activate for 2 seconds when a valid signal is received from a Model MGT transmitter. During an obstacle condition, all ACCESS relays will be disabled.

For manual activation, pressing OPEN then the "1" key will activate relay K1. Pressing OPEN then the "2" key will activate relay K2. Each relay will activate for its programmed time only. If relay K2 is programmed as an OBSTACLE relay, it cannot be manually activated.

Relays K1 and K2 can also be activated using the two OPEN REQUEST inputs. Each input (1 or 2) will activate an ACCESS relay (K1 or K2) for its timed amount, or as long as the input is active. OPEN REQUEST inputs override any MGT obstacle activity on relay K3 (but not on K2).

The AP-5 can fully supervise up to six MGT safety edge transmitters stored in six memory locations (1-6). The system monitors each MGT transmitter for hourly status reports, tamper signals, and low battery signals. A beep will sound every 5 seconds if a fault occurs and the trouble source can be displayed by pressing #-1 then 1-6. A transmitter must be activated twice to trigger the ACCESS RELAY if a supervisory trouble condition exists on any MGT transmitter (unless the MGT has been suspended). MGT supervisory conditions can be canceled per individual unit, or globally.

The AP-5 can be powered from 12-24 Volts AC or DC. The three Form C relay outputs can each switch up to 1 Amp @ 24 Volts AC/DC. An EARTH GROUND terminal is provided as a recommended connection for maximum lightning and static protection.



SAFETY WARNING

A WARNING A

MOVING DOOR OR GATE CAN CAUSE SERIOUS INJURY OR DEATH



device trigger inputs







THIS UNIT CAUSES OPERATION OF A DOOR OR GATE MOTOR.

STAY CLEAR OF MOVING PARTS IF THIS UNIT IS MOUNTED INSIDE THE DOOR OR GATE OPERATOR!

STAY CLEAR OF THE DOOR/GATE OR DISCONNECT THE ACCESS RELAY WIRES WHEN PROGRAMMING OR SERVICING THIS UNIT!

AP-5 FEATURES

NUMERIC KEYPAD

AND UTILITY FUNCTION NUMBERS.

Line or A DG GGS

1

CESSPro

456

* 0 #

CAMCEL 7 8 9

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FOR ENTERING TRANSMITTER

ID NUMBERS, PROGRAMMING,

DIGITAL DISPLAY
DISPLAYS LAST 3 DIGITS OF THE TRANSMITTERS ID
NUMBER DURING OPERATION AND PROGRAMMING.
ALSO DISPLAYS MGT SUPERVISION STATUS AND
SYSTEM UTILITY INFORMATION.

DISPLAY BUTTON SHIFTS THE DISPLAY TO SHOW

THE LEFT THREE DIGITS OF THE 6-DIGIT TRANSMITTER ID NUMBER DURING OPERATION OR PROGRAMMING

CANCEL BUTTON

PROGRAM BUTTON

TO EXIT PROGRAM MODE .-

PUSH FOR 3 SECONDS TO ENTER

PROGRAM MODE, PRESS MOMENTARILY

CLEARS THE KEYPAD AND DISPLAY IN CASE OF AN INCORRECT PROGRAMMING ENTRY, ALSO CLEARS ANY SUPERVISORY TROUBLE CODES FROM AN MGT OBSTACLE TRANSMITTER.

OPEN BUTTON

PUSH OPEN THEN BUTTON 1 OR 2 TO ACTIVATE ACCESS RELAY ONE OR TWO.

STAR (*) KEY

DISPLAYS THE ID NUMBER OF THE LAST TRANSMITTER ACTIVATED. (USE THE DISPLAY BUTTON TO VIEW THE LEFT THREE DIGITS OF THE ID NUMBER.)

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ANTENNA CONNECTOR
FOR DIRECT CONNECTION TO THE LOCAL
WHIP ANTENNA OR, WITH A COAX CABLE,
TO A REMOTE ANTENNA.

ACCESS GRANTED INDICATOR LIGHTS WHEN ANY ACCESS

RELAY IS ENERGIZED.

SUSPENDED INDICATOR
LIGHTS WHEN A SIGNAL IS RECEIVED
FROM A TRANSMITTER THAT HAS BEEN
SUSPENDED FROM USE, AND WHEN

POWER INDICATOR

IS APPLIED TO THE UNIT.

LIGHTS WHEN AC OR DC POWER

SUSPENDING A TRANSMITTER.

PROGRAM MODE INDICATOR
LIGHTS WHEN THE UNIT IS
IN PROGRAM MODE.

POUND (#) KEY

PRESS # THEN 1, 2, OR 3 FOR UTILITY FUNCTIONS:

RADIO INDICATOR

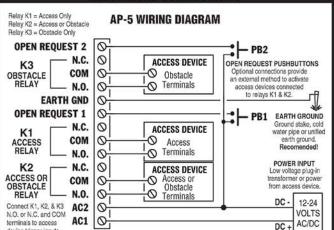
SIGNAL ON THE RECEIVER'S

FREQUENCY IS DETECTED.

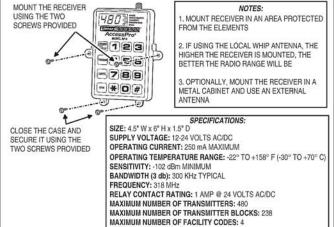
LIGHTS WHEN A RADIO

- #-1 THEN 1-6 DISPLAYS MGT SUPERVISORY STATUS FOR OBSTACLE TRANSMITTERS 1-6. #-2 DISPLAYS NUMBER OF PROGRAMMED TRANSMITTERS.
- #-3 DISPLAYS NUMBER OF PROGRAMMED TRANSMITTER ID BLOCKS.

ELECTRICAL CONNECTIONS



RECEIVER INSTALLATION & SPECIFICATIONS



ANTENNA INSTALLATION

