<u>inear 宋</u>伊伊尼罗尔

Wireless Access **Control Receiver**

Installation Instructions



MFRACANT

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SAFETY WARNING

INTRODUCTION

The AP-4 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-4 is used to control a door strike, barrier gate, automatic gate or automatic door operator.

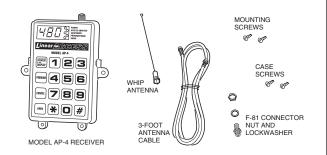
The AP-4 contains a high-gain UHF receiver which uses an external antenna to pick up signals from up to 250 feet away. Up to 480 Linear MegaCode® transmitters and one Model MGT safety edge transmitter can be programmed into the AP-4's memory. The AP-4 will retain its memory.

Two dry contact relay outputs are provided. One relay is the ACCESS RELAY (K1), which triggers for two seconds each time a programmed transmitter is activated. This relay output connects to the pushbutton or radio input of the access device. The second relay is the OBSTACLE RELAY (K2), which triggers for two seconds when an obstacle signal is sent from a Model MGT safety edge transmitter. This relay output connects to the obstacle input of the access device. An OPEN REQUEST input terminal is supplied for hardwired activation of the access device with an external pushbutton or keyswitch.

The AP-4 can be powered from 12-24 Volts AC or DC. The Form C relay outputs can switch up to 1 Amp each. An EARTH GROUND terminal is provided as an optional connection for maximum lightning and static protection.

Three utility functions can be displayed by pressing the pound (#) key then the digits 1-3. The utility functions display the status of the obstacle transmitter (#1), the total number of transmitters programmed (#2), and the total number of transmitter ID blocks programmed (#3).

The AP-4 can fully supervise the MGT safety edge transmitter. The system monitors the 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 pound-one (#1). A transmitter must be activated twice to trigger the ACCESS RELAY if a supervisory trouble condition exists on the MGT transmitter (unless the MGT has been suspended). To clear the supervisory trouble after servicing, press the CANCEL button.



WARNING

MOVING DOOR OR GATE CAN CAUSE SERIOUS INJURY OR DEATH









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-4 FEATURES

NUMERIC KEYPAD

AND UTILITY FUNCTION NUMBERS.

FOR ENTERING TRANSMITTER

ID NUMBERS, PROGRAMMING.

Line

1 2 3

0#

4 5

*

(7) **(8**)

DIGITAL DISPLAY DISPLAYS TRANSMITTER ID NUMBERS DURING OPERATION AND PROGRAMMING. ALSO DISPLAYS MGT SUPERVISION STATUS AND SYSTEM UTILITY INFORMATION.

DISPLAY BUTTON

SHIFTS THE DISPLAY TO SHOW PROGRAM BUTTON THE LEFT THREE DIGITS OF THE PUSH FOR 3 SECONDS TO ENTER TRANSMITTER ID NUMBER PROGRAM MODE PRESS MOMENTARII Y DURING OPERATION OR TO EXIT PROGRAM MODE. -PROGRAMMING

CANCEL BUTTON 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 TO ACTIVATE THE

ACCESS RELAY.

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.)

ANTENNA CONNECTOR

POUND (#) KEY

RESS # THEN 1-3 FOR UTILITY FUNCTIONS:

LIGHTS WHEN AC OR DC POWER FOR DIRECT CONNECTION TO THE LOCAL WHIP ANTENNA OR, WITH A COAX CABLE, IS APPLIED TO THE UNIT. TO A REMOTE ANTENNA.

ACCESS GRANTED INDICATOR

LIGHTS WHEN THE ACCESS RELAY IS ENERGIZED.

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

POWER INDICATOR

SUSPENDED FROM USE, AND WHEN SUSPENDING A TRANSMITTER.

PROGRAM MODE INDICATOR LIGHTS WHEN THE UNIT IS

IN PROGRAM MODE.

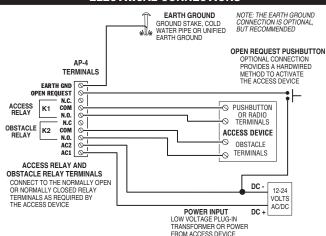
RADIO INDICATOR LIGHTS WHEN A RADIO SIGNAL ON THE RECEIVER'S FREQUENCY IS DETECTED.

#-1 DISPLAYS THE MGT SUPERVISORY STATUS. #-2 DISPLAYS NUMBER OF PROGRAMMED TRANSMITTERS. #-3 DISPLAYS NUMBER OF PROGRAMMED TRANSMITTER ID BLOCKS

(FEX ***** (D) **#**

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ELECTRICAL CONNECTIONS



RECEIVER INSTALLATION

MOUNT THE RECEIVER USING THE TWO SCREWS PROVIDED **123** ····· 789 Mas CLOSE THE CASE AND SECURE IT USING THE

TWO SCREWS PROVIDED

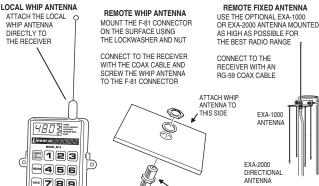
NOTES:

1. MOUNT RECEIVER IN AN AREA PROTECTED FROM THE ELEMENTS

2. IF USING THE LOCAL WHIP ANTENNA. THE HIGHER THE RECEIVER IS MOUNTED. THE BETTER THE RADIO RANGE WILL BE

3. OPTIONALLY, MOUNT THE RECEIVER IN A METAL CABINET AND USE AN EXTERNAL ANTENNA

ANTENNA INSTALLATION



COAX TO

RECEIVER

CONNECTOR

