AM-KP

Access Control Keypad
Installation Instructions

INTRODUCTION
The AM-KP keypad is designed for use with Linear’s AE1000Plus, AE2000Plus, and AM3Plus access control systems. The keypad is housed in a rugged cast aluminum enclosure. The die-cast keys have bright, easy-to-read yellow graphics. Each key has a positive tactile “click” feel when pressed. An internal sounder signals when a key is pressed.

The keypad can be mounted to a pedestal or directly to a wall. A keylock secures the keypad to the mounting backplate.

An incandescent panel lamp lights the keypad for nighttime use. Red, green and yellow indicators show power, access and lockout conditions.

The AM-KP is normally powered from the controller, or can be powered locally from a 12 VDC power supply. Robust static and lightning protection circuits safeguard the keypad’s electronics.

A rotary switch selects the keypad’s PBUS device address. Each PBUS device connected to the controller must be set to a different PBUS device address.

1. AM-KP FEATURES

2. PLAN INSTALLATION

3. MOUNT BACKPLATE

4. ROUTE CABLE

Each AM-KP Keypad equals 9 load units

Cable length formula for each keypad used in system

<table>
<thead>
<tr>
<th>Cable Run</th>
<th>Cable Type</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 FEET MAXIMUM</td>
<td>Belden 9931 (24 AWG)</td>
<td>FEET x LOAD UNITS &lt; 3,000 MAXIMUM</td>
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<tr>
<td>500 FEET MAXIMUM</td>
<td>Weico 9405 (20 AWG)</td>
<td>FEET x LOAD UNITS &lt; 10,000 MAXIMUM</td>
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Homerun wire each keypad (1000 feet wire maximum allowed in system)
5. CONNECT CABLE

FOLLOW THIS WIRING DIAGRAM TO CONNECT THE KEYPAD TO THE CONTROLLER

AM-KP TERMINALS

PWR GND DAT0 DAT1 PCLK

ACCESS CONTROL SYSTEM PBUS TERMINALS

PWR GND DAT0 DAT1 PCLK

FOR LOCAL POWER, DISCONNECT RED WIRE FROM "PWR" CONNECTION ON AM-KP AND CONNECT EXTERNAL 12 VDC SUPPLY (+ TO PWR & - TO GND)

NOTE: CONTROLLER MUST BE CONNECTED TO AM-KP "GND"

6. SET PBUS DEVICE ADDRESS

USE A SMALL SCREWDRIVER TO SET THE PBUS DEVICE ADDRESS SWITCH

EACH PBUS DEVICE MUST BE SET TO A UNIQUE NUMBER FROM 1 TO 6

ARROW ON SLOT POINTS TO NUMBER

7. SECURE & LOCK CASE

HOOK KEYPAD ONTO BACKPLATE

USE KEY TO LOCK KEYPAD

8. PROGRAM SYSTEM

PROGRAM THE CONTROLLER TO CONFIGURE THE REMOTE RECEIVER

REFER TO THE CONTROLLER PROGRAMMING INSTRUCTIONS FOR DETAILS

9. TEST KEYPAD

1. RED INDICATOR SHOULD BE LIT

2. ENTER VALID CODE

3. RED INDICATOR SHOULD TURN GREEN AND PROGRAMMED RELAY IN THE CONTROLLER SHOULD ACTIVATE

YELLOW INDICATOR LIGHTS WHEN KEYPAD IS LOCKED OUT OR BUSY

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