

# ELK-AEKP Low Profile LCD Keypad for E27



## APPLICATION:

The ELK-AEKP is an LCD Keypad for the E27 Alarm Engine. It features a 32 character blue/white backlit display. The AEKP can be surface mounted with or without a 1 or 2 gang electrical box and may be 'flush' mounted using a separately purchased back box kit (ELK-M1BBK2). It accepts the Elk-106055 External Proximity Reader allowing cards or fobs to be used for arming, disarming, or limited door strike control. Other brands of 26-bit readers may also be compatible.



## SPECIFICATIONS:

- Operates from the E27 'RS-485' Data Bus
- Operating Voltage: 13.8 VDC
- Accepts "External" 26-bit Weigand Prox Reader (Optional)
- Input for 1 Supervised Zone
- One Programmable "Switched Positive" Voltage Output
- Surface Mounts with 1 or 2 gang electrical box
- Optional Flush Mount Kit "ELK-M1BBK2"
- Size: 4.658" W x 5.5" H x .95" D (.375" D if recessed)
- Color: White

Features or Specifications subject to change without notice.

## INSTALLATION INSTRUCTIONS:



**Before making any wiring connections, TURN THE E27 MASTER POWER SWITCH OFF.**



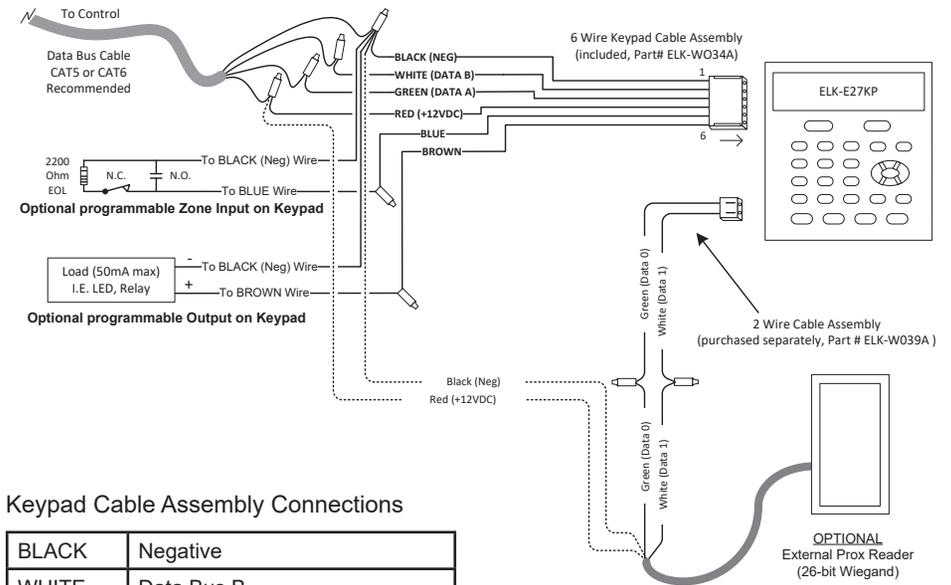
Ideal keypad mounting height is 50-58 inches above the floor. Select a location with an ambient temperature range between 32° and 120° F (0° to +49° C). Avoid direct sunlight if possible. CAT5 or CAT6 wire (4 pair, 8 conductor) is highly recommended for all data bus cables and the extra wires may be required for data return paths where multiple home runs or devices are installed.

NOTE: Please refer to the E27 Installation Manual for important information about Data Bus termination when multiple home run cables are installed. Minimum conductor size is 22 or 24 gauge. Maximum resistance per wire is 25 Ohms. Device placement beyond 1000' is not recommended.

1. Fasten mounting plate to electrical box (or directly to wall) using flat head screws to prevent shorts to the back of the circuit board.
2. Splice the Black, Red, White, and Green wires of the plug-in connector to the data bus cable. Plug connector into keypad. Tuck wires neatly into back plate and install Keypad on mounting plate using the provided #4 plastite screws. Snap on the picture frame trim ring with the edge having the two notches facing down.

Please refer to the ElkConnect app instructions for details on enrolling the AEKP into the E27 system.

**Hookup Diagram for AEKP Keypad**  
(see E27 Instruction Manuals for multiple Keypad hookups.)  
Splice wires from data bus cable to Keypad assembly using ELK-9002 "B" Connectors.



### Keypad Cable Assembly Connections

BLACK	Negative
WHITE	Data Bus B
GREEN	Data Bus A
RED	+12VDC
BLUE	Optional Zone (Input)
BROWN	Optional Programmable Output

### Reader Cable Assembly Connections

GREEN	Reader Data 0
WHITE	Reader Data 1

An ELK-106055 External Prox Reader may be connected to the Keypad. This requires an ELK-WO39A 2 Wire Cable Assembly (purchased separately). Splice wires as indicated, and plug cable into connector J2. NOTE: Some other brands of 26-bit Wiegand compatible readers may be utilized.

### LIMITED WARRANTY

The ELK-AEKP LCD Keypad is warranted to be free from defects and workmanship for a period of 2 years from date of manufacture. Elk makes no warranty, express or implied, including that of merchantability or fitness for any particular purpose with regard to batteries used with wireless devices. Refer to Elk's website for full warranty statement and details.

### FCC AND IC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- This device may not cause interference.
  - This device must accept any interference, including interference that may cause undesired operation of the device.
- L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
- L'appareil ne doit pas produire de brouillage;
  - L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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