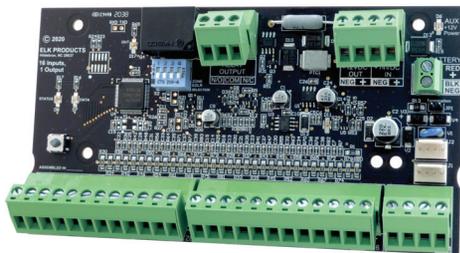


ELK-AEXIN Expander, 16 Inputs, 1 Relay



APPLICATION:

The ELK-AEXIN adds 16 hardwired inputs to the E27 Alarm Engine. It operates on the 4-wire data bus. It features selectable EOL resistance values, relay output, auxiliary DC power and battery connectors, and removable terminal blocks.



SPECIFICATIONS:

- 16 EOL Resistor Supervised Hardwire Zones
- Operates from the E27 'RS-485' Data Bus
- DIP switch selectable EOL resistance values
- Programmable SPDT relay output:
Rating 4 Amps @ 12VDC
- Operating Power: 12 VDC
- Current Draw: 85mA Nom., 120mA Max.
- Size: 6" x 3.25" x 1"

Features or Specifications subject to change without notice.

INSTALLATION INSTRUCTIONS:



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



DATA BUS

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. Use 4 conductors to connect terminals BUS +12V, Data A, Data B, and Neg from control to terminals +12V, A, B, and Neg on the AEXIN.

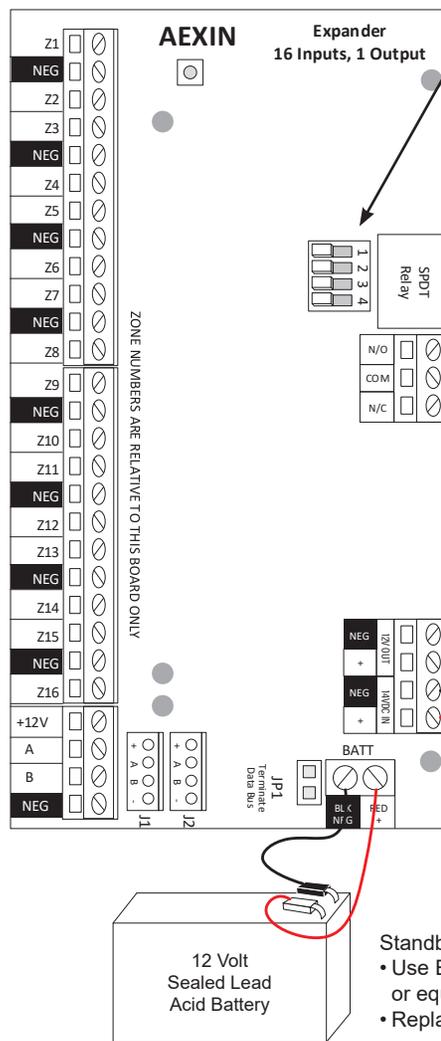
Refer to information in the E27 manual for important guidelines for proper termination and wiring of systems with multiple home run connections for data bus devices. Minimum conductor size is 22 or 24 gauge. Maximum resistance per wire is 25 Ohms. Device placement beyond 1000' is not recommended.

AUXILIARY POWER

NOTE: If auxiliary power source will be used, do not connect BUS +12V from control to +12V on AEXIN. Auxiliary power may be required to prevent exceeding the total current load rating of the E27 control or when the AEXIN is remotely mounted.

1. Connect a 14VDC power source (ELK-P1417 or equivalent) to the 14VDC IN terminals. Observe correct polarity. **DO NOT CONNECT AC TRANSFORMER!** (See Diagram on Page 2).
2. Connect the battery using the supplied battery leads; Red wire to positive, Black wire to negative. (See Diagram on Page 2).

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

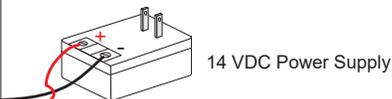


Dip Switch Settings for EOL Resistance
Use this feature in retrofit installations to support different EOL resistors on the expander zones.

EOL Resistance	SWITCH SETTINGS			
	S1	S2	S3	S4
2.2K Ohms (Default)	OFF	OFF	OFF	OFF
3.3K Ohms	ON	OFF	OFF	OFF
1.0K Ohms	OFF	ON	OFF	OFF

Auxiliary Power Supply (Optional)

- Use ELK-P1417 or equivalent
- Observe Polarity
- 18 AWG Minimum



DO NOT CONNECT AC TRANSFORMER!
DO NOT CONNECT TO SWITCHED OUTLET.

Standby Battery (Optional)

- Use ELK-1280 (12V 8 Ah) or ELK-12180 (12V 18 Ah) or equivalent
- Replace battery every 3-5 years

LIMITED WARRANTY

The ELK-AEXIN Input Expander 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.

CAN ICES-3 (B)/NMB-3(B)



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