

ELK-AEXDD Digital Dialer for Alarm Engine



APPLICATION:

The ELK-AEXDD is a Digital Dialer/Communicator for the E27 Alarm Engine that allows communications with a Central Monitoring Station over a traditional landline telephone or cellular dial capture device. It operates on the 4 wire data bus. The unit features a 8-pin modular phone connector, status/diagnostic LEDs, and convenient test points for lineman's test set.



SPECIFICATIONS:

- Operates from the E27 'RS-485' Data Bus
- Operating Voltage: 13.8 VDC
- Support Reporting Format: Contact ID
- Telephone Number Capacity: 2
- Current Draw: 31mA nominal, 43mA max

Features or Specifications subject to change without notice.

INSTALLATION INSTRUCTIONS:



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



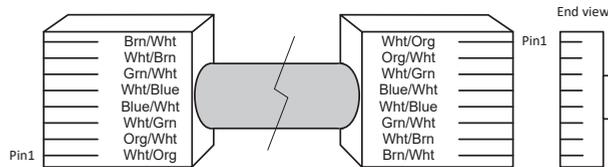
DATA BUS

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

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.

TELEPHONE LINE

The ELK-AEXDD is connected to the telephone line by the use of an approved RJ-31X interconnect jack. This device allows the subscriber to disconnect the dialer/communicator from the public switched telephone network in the event of a malfunction. The dialer/communicator is equipped with line seizure so that the premises telephone service is interrupted during communication to the central station. Connection to the approved jack is done with an 8-conductor telco cord which connects the 8-pin modular connector (J3) of dialer to the RJ31X jack.



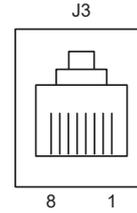
Close-up view of 8-conductor telco cord (not supplied)

DIAL CAPTURE CELLULAR COMMUNICATOR

A dial capture cellular communicator can be connected to the ELK-AEXDD as a cellular back-up option for communicating alarms and events to the Central Monitoring Station. Pin connections for the J3 modular connector are provided in the table on page 2. Please refer to the wiring instructions for the cellular communicator for connection details.

If desired, the cellular communicator can be powered through the J3 modular connector on pins 2 & 7. The position of jumpers JP5 & JP6 determine if power is provided through the J3 connector. A description of these jumpers can be found on page 2.

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



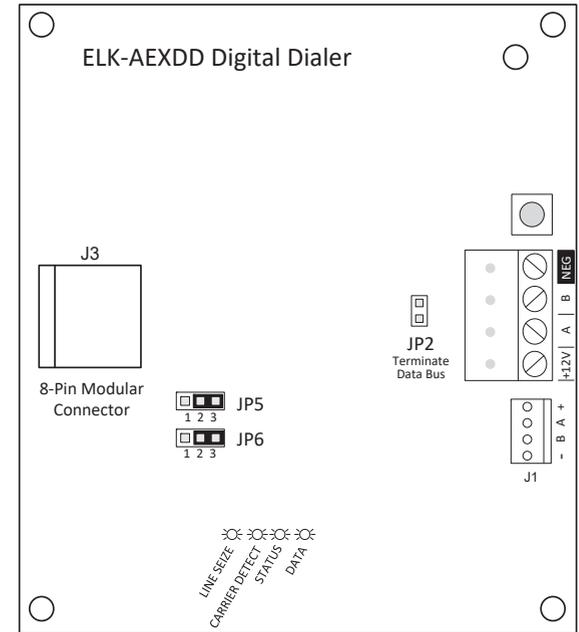
J3 PIN	Connection
1	R1
2	See JP6
3	No Connection
4	Ring
5	Tip
6	No Connection
7	See JP5
8	T1

JP5	
Jumper Position	Setting
Pins 1 & 2	+12V to J3 Pin 7
Pins 2 & 3	No Connection

JP6	
Jumper Position	Setting
Pins 1 & 2	NEG to J3 Pin 2
Pins 2 & 3	No Connection

LIMITED WARRANTY

The ELK-AEXDD Digital Dialer 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.



LED Indicators	
Line Seize	
OFF	Dialer is idle
ON	Dialer has seized telephone line
Carrier Detect	
OFF	Dialer is idle or has not received handshake from CS receiver
ON	Dialer has received handshake from CS receiver
Status	
BLINKING	Normal state
ON SOLID	Processor trouble
Data	
BLINKING	Dialer enrolled and communicating with E27
ON SOLID	Not enrolled and/or not communicating with E27

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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