



# AD-12/EX-50 Phone Line Verification Unit



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## DAILY TELEPHONE LINE VERIFICATION

Starting in 2009, the ASME code, 17.1b, paragraph 2.27.1.1.6, requires that all emergency elevator phones must automatically daily test the phone line to verify that it is operational. If the phone line is NOT operational, an audible and visual signal must be activated next to the “FIRE RECALL” switch on the egress floor. The DL-20 line has a 2-wire Phone Line Verification Output. This 2-wire output is connected to an external AD-12/ EX-50 Phone Line Verification Indicator which is installed next to the fire recall switch. It requires 2 wires to be used from both the traveling and hoist way cables. The AD-12/EX-50 provides both the audible and visual indicators, and has a BEEP RESET function as well.

### TESTING

- Make sure that the 10<sup>th</sup> digit in **Parameter Group A** of the DL-20 is set to 1 (Enables Feature). You can use Telephone REMOTE MODE or E.C.C. Manager to change this.
- Disconnect the phone line from the DL-20 or place a short across it.
- The AD-12/EX-50 will light UP and start Beeping to indicate a BAD TELEPHONE LINE.
- To RESET the AD-12/EX-50, simply re-connect phone line, or remove SHORT from phone line.
- Within 10seconds the AD-12/EX-50 should automatically RESET.

The phone line Verification feature can be enabled or disabled on the DL-20 by setting the 10<sup>th</sup> digit of parameter Group A, 1=On and 0=OFF. When it is enabled, the DL-20 will continually monitor the phone line for voltage across it. It will also test the telephone line for Dial Tone every day at approximately 3 a.m. If the phone line fails either test, the DL-20 will activate the AD-12/EX-50 external Phone Line Verification indicator. Once activated, the AD-12/EX-50 will beep every 25 seconds and will continually flash the indicator light. The DL-20 will re-test the phone line every 10 seconds until the phone line passes both tests. Once the phone line has passed both the Line Voltage and Dial Tone test, the DL-20 will RESET the AD-12/EX-50.

### RESETING THE AUDIBLE ALARM (AD-12/EX-50)

The audible alarm can be reset by performing the following action:

1. When the light goes off, press and hold the AD-12/EX-50 Push Button for 3 consecutive flashes.
2. After the 3<sup>rd</sup> flash, when the light goes off again, release the Push Button for 1 flash.
3. When the light goes off again, press and hold the AD-12/EX-50 and the unit should acknowledge the RESET by rapidly flashing.
4. The audible signal will be disabled until the next 3 a.m. phone test. If the phone line is still non-operational, the beep will start up again.

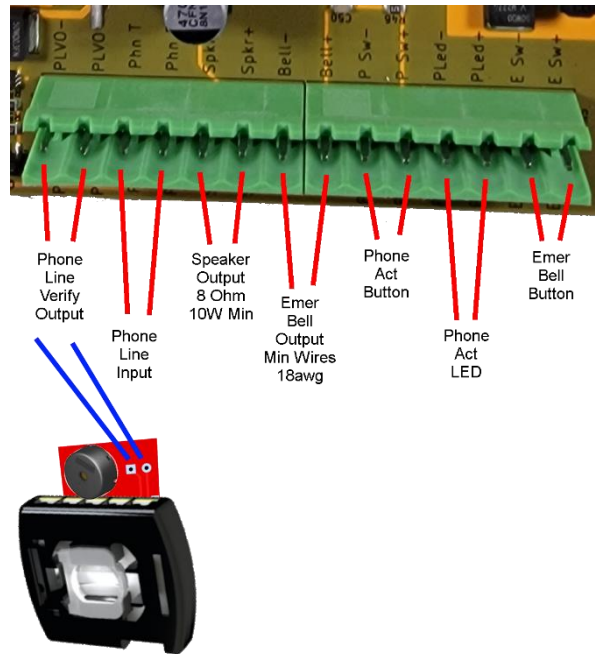
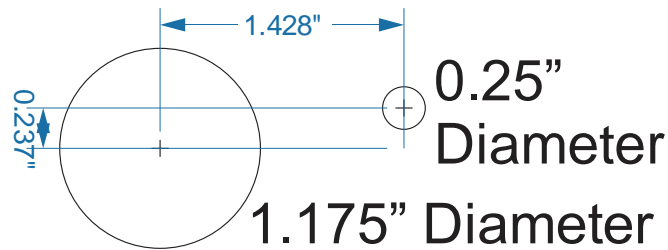
### AD-12/EX-50 FEATURES

1. Power: +8VDC to +12VDC or +12vac at 200mA
2. Two Wire, non-polarized Screw Terminal for easy installation.
3. Volume control for BEEP Volume. (Cannot be tuned all the OFF)
4. Combines RESET Switch and Flashing LED in same housing to provide a space saving design that saves valuable room in panel.

**NOTE: To meet the ASME code requirements, the phrase, "ELEVATOR COMMUNICATIONS FAILURE" must be printed, in RED letters, no smaller than 1/4" high, next to the indicator Light.**

## AD-12/EX-50 CONNECTION TO DL-20

### AD-12/EX-50 PANEL MOUNTING DIMENSIONS



## CUSTOMER SUPPORT

All operation or technical questions should be directed to the Customer Support Center at **(818) 753-5669**, between 8:00 a.m. and 5:00 p.m. Pacific time. **Before calling the Customer Support Center**, you should be in front of the DL-20 and AD-12/EX-50 and ready to access the circuit boards on need.

## LIMITED ONE YEAR PARTS & LABOR WARRANTY

This E.C.C. PRODUCT is warranted against defects for a period of one (1) year from the date of the original invoice. Within this period, we will repair it without charge for parts and labor. To obtain warranty service the product must be returned, at the customer's expense, to E.C.C. along with a copy of the original invoice. After the unit has been repaired, E.C.C. will ship the PRODUCT back via UPS GROUND service at our expense. If any other form of return shipment is requested, the customer will pay 100% of the shipping cost.

This Warranty does not apply if in the sole opinion of E.C.C., the PRODUCT has been damaged by lightning, or any other Acts of God, or by accident, misuse, neglect, improper location (high dust or tobacco smoke prone areas), improper packing, shipping, modification, or servicing by other than an authorized E.C.C. Service Center.

Except as specifically provided in this agreement, there are no other warranties, expressed or implied, including, but not limited to, any implied warranties or merchantabilities or fitness for a particular purpose and in no event shall E.C.C be liable for loss of profits or benefits, indirect, special, consequential, or other similar damages arising out of any breach of this warranty or otherwise.