

NORTEK SECURITY & CONTROL PRODUCT BULLETIN

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Linear Smart GDO battery backup feature notes

With the inclusion of batteries and battery backup technologies into Linear's LDCO850 and LDCO852 smart Garage Door Operators, there are a few additional things to keep in mind when installing and troubleshooting these devices:

INSTALLATION:

- Expect the backup battery to be received with a partial charge (similar to your smartphone). The battery must be installed and the operator should be connected to AC mains power for 24 hours to fully charge prior to battery backup operation.
- Before testing battery operation during installation, it is a good idea to verify the battery voltage. You can use a standard multi/voltmeter to test this. With the battery not connected to the operator, a properly charged battery will measure 12.6 volts or greater. A battery lower than this may not operate correctly and will need to be charged (up to 24 hours) before battery backup operation is functional.
- When installing, remember to connect the battery first, then apply AC power. If not done in this order, the board will not properly register the battery, and may give 4 beeps as a "battery fail" error. If this happens, disconnect battery and AC, wait 2 minutes and reconnect power as instructed.
- Allow one minute after removing AC power before testing battery backup operation of the operator. It takes a little while for the operator to transition from AC power to 12V battery powered functions.

TROUBLESHOOTING:

- The GDO checks the battery voltage at the start of each cycle. If the opener calculates that the battery is too low to complete a cycle, it will not close the door. In these situations, the opener will signal as a 3 flash "safety beam" + 2 beep "low battery" error.
- The opener will not try to charge the battery when the voltage is below 5.0 VDC. This is indicated by a "4 beep" error. In this instance, the battery has been run down too far and is likely damaged and unrecoverable. A new battery is required.