

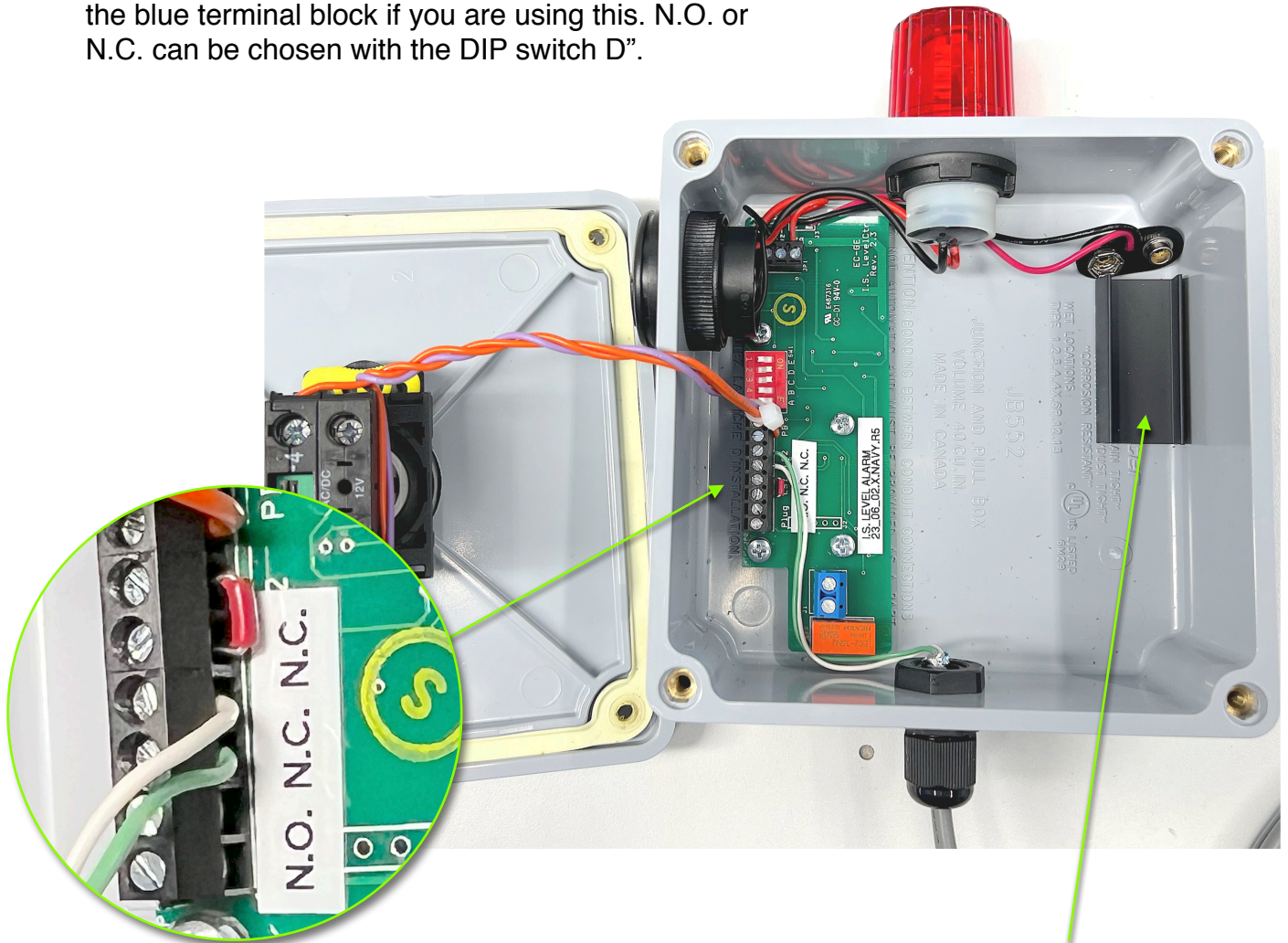
# ALARM BOX AB-5

## 1. OVERVIEW

- This battery-powered alarm box is used to produce an alarm in response to a contact close, or contact open.

## 1. SETUP

- Install the 9V battery provided.
- Connect your monitoring device to the cable provided. NOTE: the alarm box is set up N.C. by default, but if you want N.O. behavior then simply move the wire pair to the terminals marked "N.O.". Or, you can have multiple devices connected to multiple terminals if needed. NOTE the alarm pattern is a bit different between each pair of terminal screws.
- There is a relay output available for signaling a device. Load of this relay is only 80 mA. Connect to the blue terminal block if you are using this. N.O. or N.C. can be chosen with the DIP switch D".



INPUT TERMINALS AVAILABLE

9V BATTERY HOLDER



John M. Ellsworth Co., Inc.

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Milwaukee, WI 53224

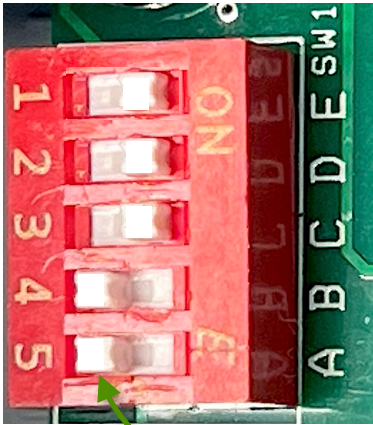
800-333-3331 PHONE

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# ALARM BOX AB-5

## 2. PCB LOGIC

- There are several behaviors that can be selected with the jumper switches on the red DIP switch. See chart below.



SWITCH	L	R (toward the letters)
E	Relay set is delayed 15 mins.	Relay behavior is immediate.
D	Relay N.O.	Relay N.C. (opens when alarm)
C	Auto reset of relay, LED, BZ	Latching alarm, must push button after level is corrected to reset relay, LED.
B	PB shuts off BZ, but LED & relay stays on until both LS1 and LS2 corrected. (open circuit)	Pressing button shuts off BZ, LED, and resets relay, regardless of level.
A	30 min buzzer snooze alarm	No buzzer snooze alarm

## 3. OTHER POINTS

- The battery will alarm continuously for 60 minutes. Then, to save power, it will go into a reduced output mode and alarm for only 5 seconds at a time, very 30 seconds. This way the battery can last for almost a month!
- The AB-5 is rated for outdoor locations with an ingress protection rating of IP65. (waterproof against hose-directed water spray)