

# Battery Backup Siren Alarm



## Installation and Operating Instructions

## **BATTERY BACKUP SIREN ALARM OVERVIEW**

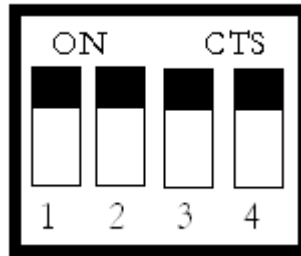
The Battery Backup Siren Alarm will activate in the event of power outage or signal from dry contact switch. When the Battery Backup Siren Alarm is active, the siren and strobe will run for a minimum of three hours (based on full battery charge). The run time can be lengthened by activating smart battery mode, 50-50 on/off mode or by adding a lead acid battery. The siren is capable of running indefinitely as long as AC line power is available. In addition, the Battery Backup Siren Alarm is equipped with an alarm repeater which will send a signal to an external alarm dialer or other device after 10 minutes of power failure or instantly on event from the dry contact switch.

The Battery Backup Siren Alarm uses Ni-MH battery technology to provide the longest battery life and run time possible. These batteries are maintained with an internal smart battery charger to maximize battery life and maintain them at their fullest capacity. If an optional external lead acid battery is added, it will also be charged and maintained by the internal charger.

## **INSTALLATION INSTRUCTIONS**

1. Mount Battery Backup Box to building in close proximity to siren/strobe and dry contact switch source. The Battery Backup Box should be mounted so the wires exit the box towards the ground. The Battery Backup Box can be mounted inside or outside; it is recommended to install it indoors or a location with limited sun and water exposure.
2. Mount siren/strobe in location where strobe is visible and horn projects in desired direction. Thread Siren/Strobe power cable through the wiring hole and connect the wires to the power terminals of the Siren/Strobe observing polarity.
3. Remove six screws from Battery Backup Box cover and remove cover. Thread cords through cord grips and attach wires to appropriate terminals observing polarity. Specific wiring can be found on Page 3. Tighten terminals to secure wires. Tighten cord grips.

4. Set DIP switches for desired operation:



(1) **Smart Pulse Mode ON/OFF** Full Siren/Strobe for 1 Hour. Then 5 seconds on/off for the remaining battery lifecycle.

(2) **50-50 Mode ON/OFF** : 5 seconds on/off strobe for full battery lifecycle.

(3) **Alarm input NC/NO:** Alarm input configured for NC (*ON*) or NO (*OFF*).

(4) **Activate Siren on power outage ON/OFF:** When DIP is ON siren will sound and alarm output will activate 10 minutes after AC line power is lost. When DIP is OFF only alarm output will activate after 10 minutes of power loss

5. Confirm battery pack is secure and batteries are seated properly in battery pack.

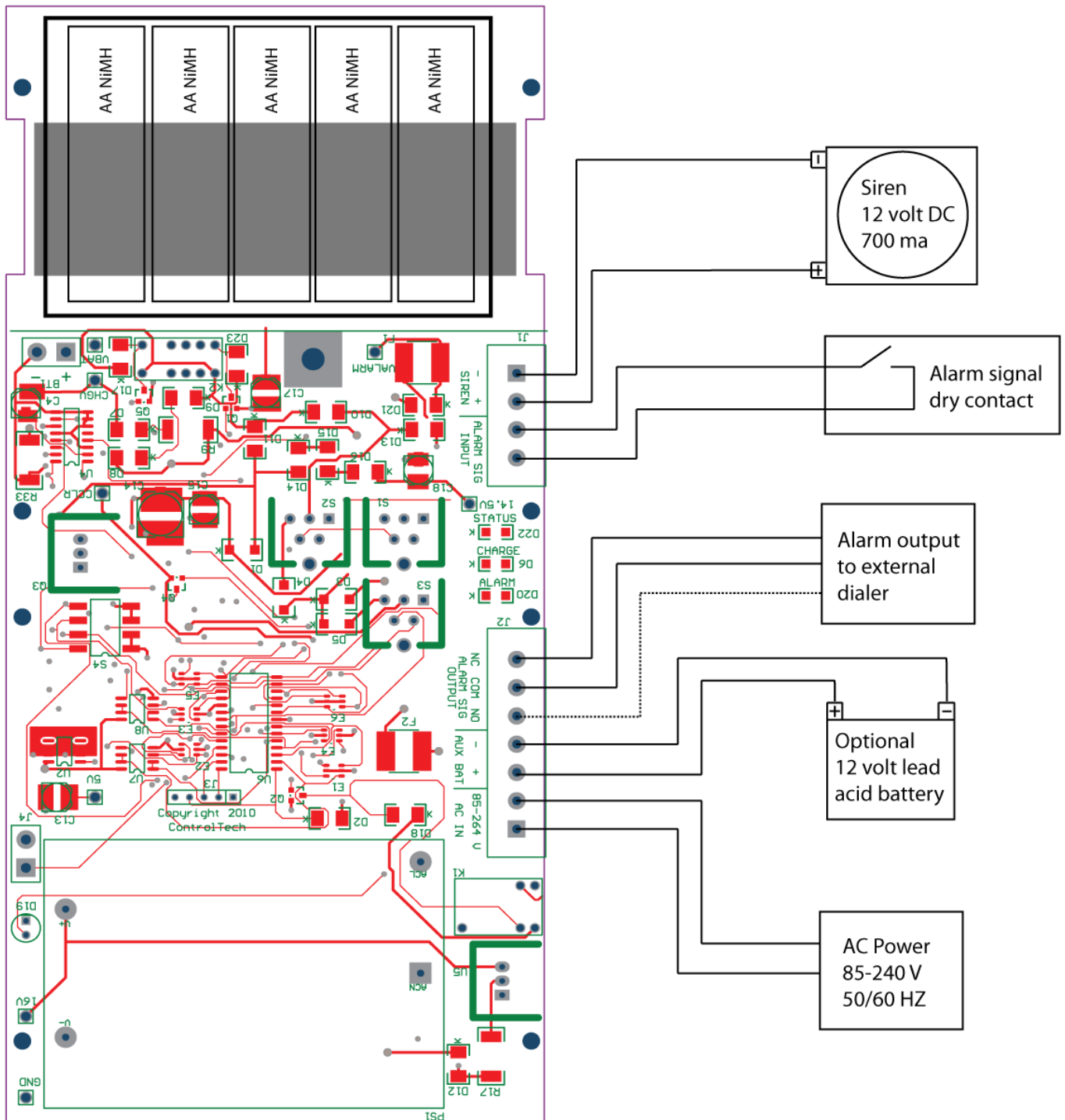
6. Replace cover and six screws. Ensure gasket is installed properly.

7. Connect power cord; toggle switch to READY position. The indicator light near toggle switch should be solid red.

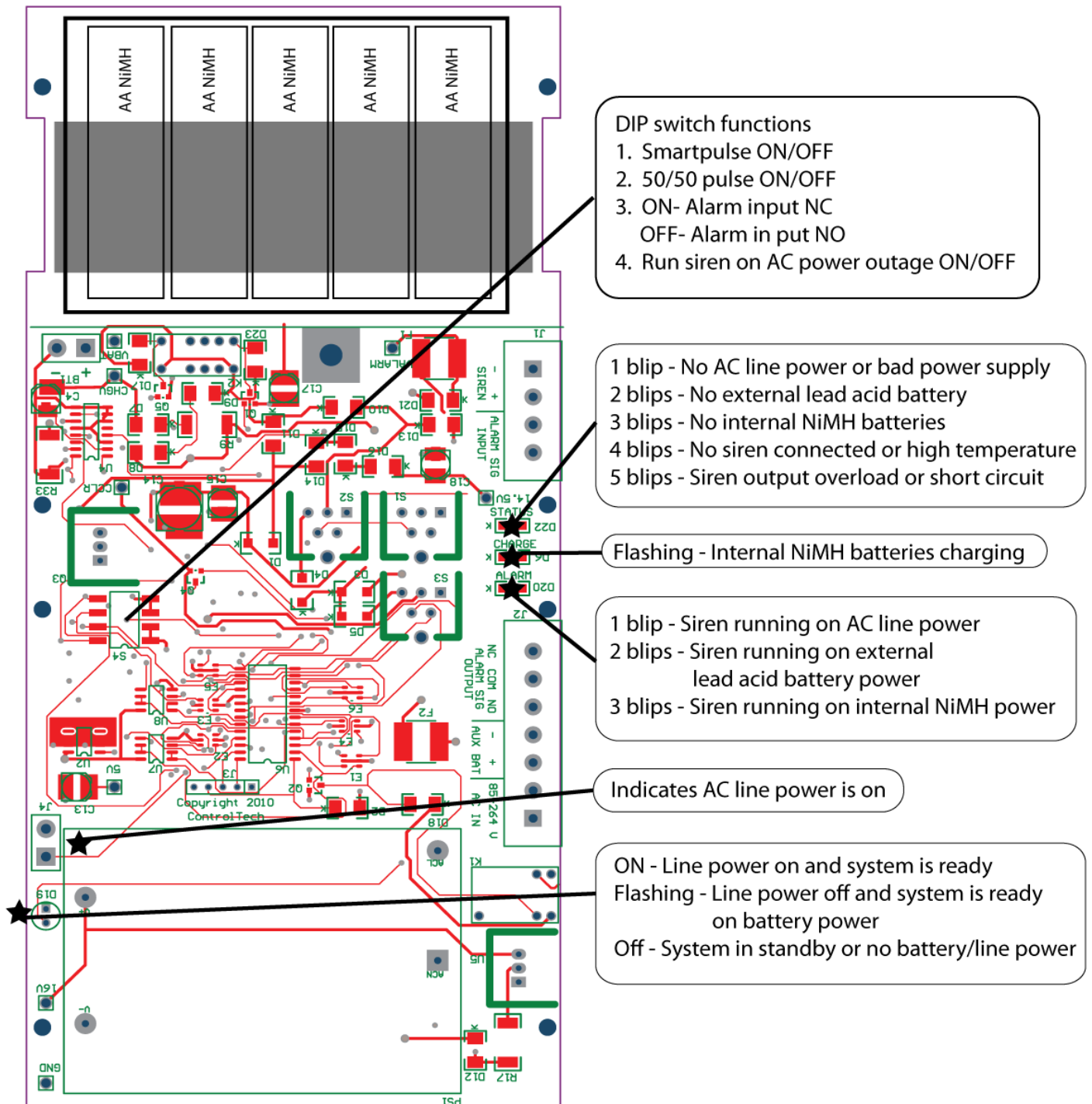
8. Test system by activating the alarm signal

Refer to the following pages for wiring and indicator light details.

# Wiring Schematic



# DIPswitch and LED functions



## **SPECIFICATIONS**

Input voltage: 85-264 VAC

Power consumption: 15 watts

Internal power storage: Qty (10) NiMH AA 1.2 volt batteries, 2500 mah

Siren run time: 3 hours minimum

Siren output: 120 db

Siren voltage: 12 volts DC

Siren current drain: 700 ma

External battery (optional): 12 volts, 15 amp-hour

External lead acid battery charge rate: 350ma maximum

Alarm output dry contact rating: 1 amp, 240 volt

## **WARRANTY**

The Battery Backup Siren Alarm is warranted to be free of defects in materials and workmanship for a term of 2 years after date of purchase. The warranty terminates after this period or when damaged, modified without authorization, not maintained, or improperly installed. The warranty liability, whether directly or indirectly, shall not, in any case, exceed the replacement or repair of the product. This warranty does not cover or provide for the reimbursement or payment of incidental or consequential damages.

## **SERVICE**

Parts and service may be available from your Controltech distributor. If a dealer is not available, return to manufacturer for repair:

**Controltech Repair Center  
4431 NE 50<sup>th</sup> St, Suite 400  
Des Moines, IA 50317**

Include information regarding the nature of problem, date of purchase, return address and phone number. Your unit will be promptly repaired or replaced, and you will be contacted about warranty status.

For technical support or assistance, contact Controltech by phone or internet.

**Toll free: 866-532-3793  
[http:// www.controltechonline.com](http://www.controltechonline.com)**

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