



INSTRUMENTS

82-5202-XX Email/Text Generator

Operator's Manual

Part Number: 71-0628

Revision: P3

Released: 5/18/23

Product Warranty

RKI Instruments, Inc. warrants gas alarm equipment sold by us to be free from defects in materials, workmanship, and performance for a period of one year from the date of shipment from RKI Instruments, Inc. Any parts found defective within that period will be repaired or replaced, at our option, free of charge. Parts must be returned to RKI Instruments, Inc. for repair or replacement. This warranty does not apply to those items which by their nature are subject to deterioration or consumption in normal service, and which must be cleaned, repaired or replaced on a routine basis. Examples of such items are:

- Pump diaphragms and valves
- Fuses
- Batteries
- Filter elements

Warranty is voided by abuse including mechanical damage, alteration, rough handling, or repair procedures not in accordance with instruction manual. This warranty indicates the full extend of our liability, and we are not responsible for removal or replacement costs, local repair costs, transportation costs, or contingent expenses incurred without our prior approval.

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This warranty covers instruments and parts sold to users only by authorized distributors, dealers and representatives as appointed by RKI Instruments, Inc.

We do not assume indemnification for any accident or damage caused by the operation of this gas monitor and our warranty is limited to the replacement of parts or our complete goods. Warranty covers parts and labor performed at RKI Instruments, Inc. only, and does not cover field labor or shipment of parts back to RKI.

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Overview

The 82-5202-XX email/text generator is capable of monitoring up to 2 sets of contacts and sending out an email and/or text message in response to the following events:

- a monitored contact opens or closes
- the generator is powered on
- the generator loses connection to power or WiFi network

One or two email text generator modules are installed in a plastic housing that has a conduit hub on the bottom of the housing. There are AC-powered and DC-powered versions available.

AC-Powered Version

An AC power supply is installed to the left of the email/text generator module(s). The power supply's AC input terminals are wired to a terminal strip at the bottom of the mounting plate to make it easy to connect power at the installation site.

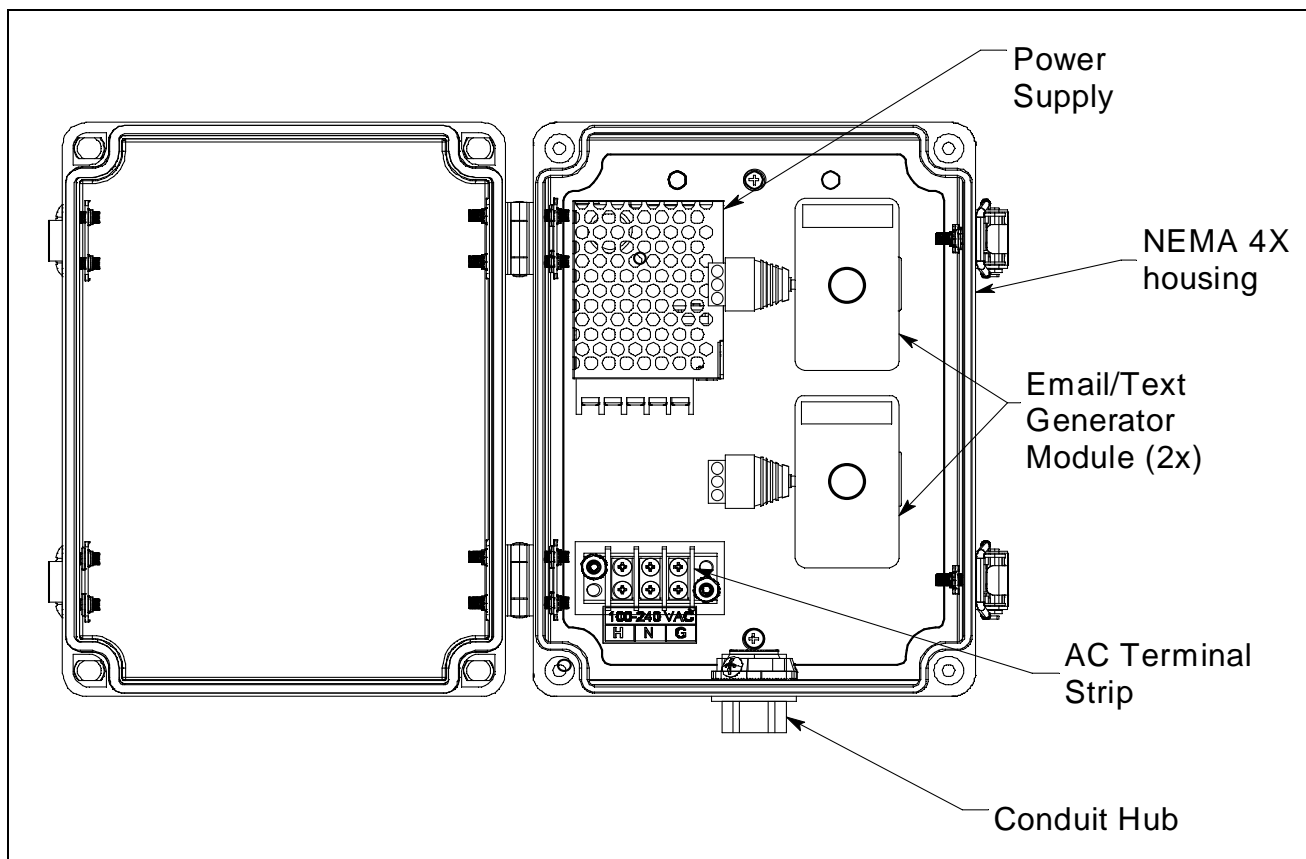


Figure 1: Component Location (82-5202-02 Email/Text Generator Shown)

DC-Powered Version

The DC-powered version has a 5VDC terminal strip located at the bottom of the mounting plate that is factory-wired to the USB port standoff(s). An external AC adapter is factory-wired to the DC terminal strip through the conduit hub on the bottom of the housing.

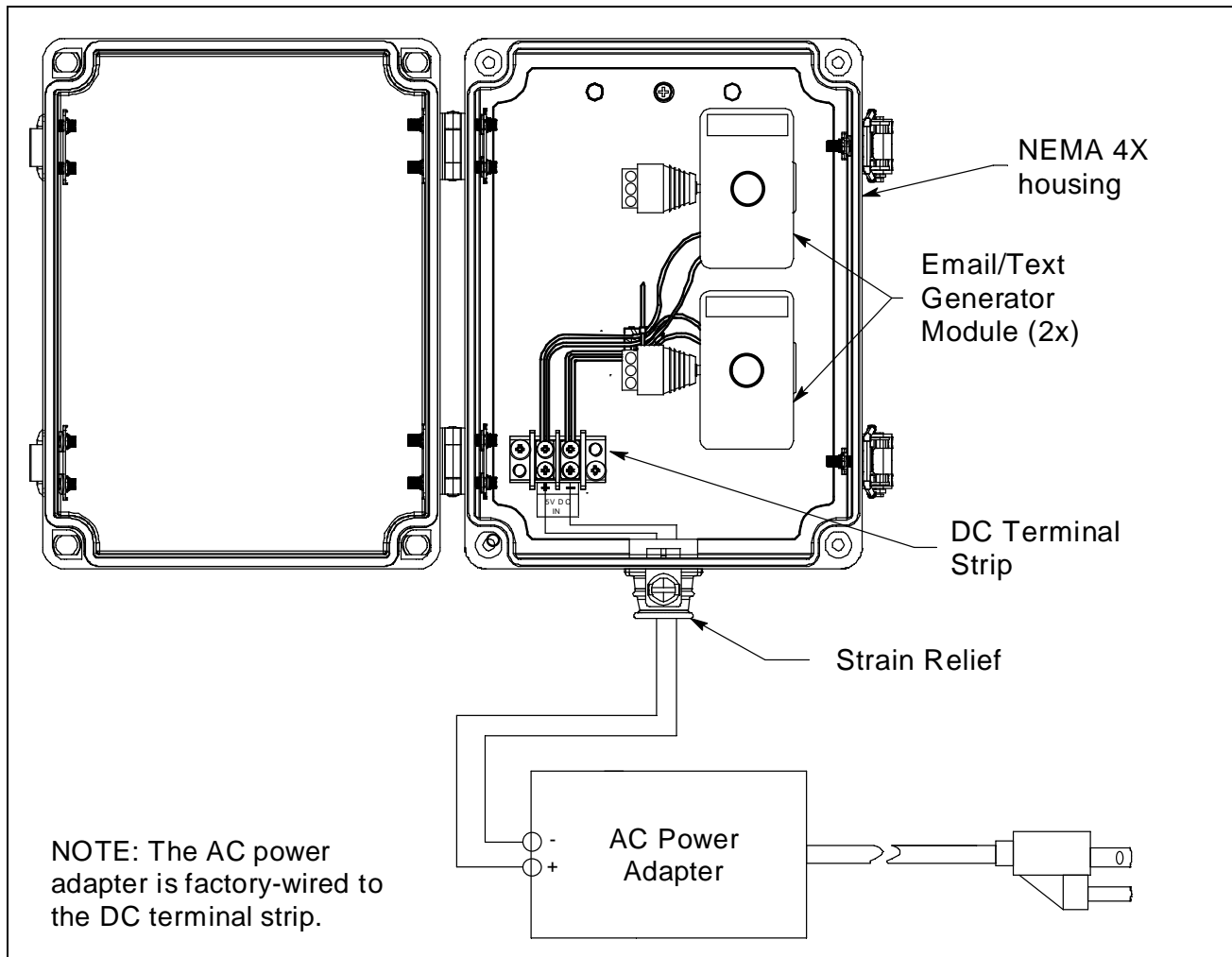


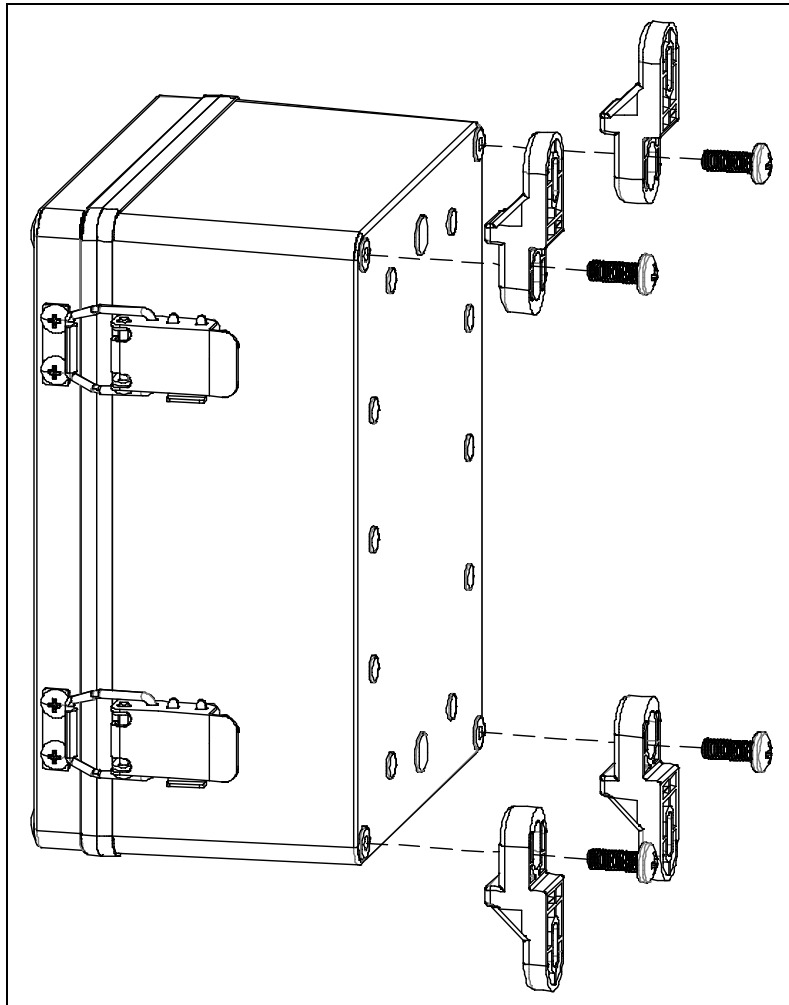
Figure 2: Component Location (82-5202-11/12 Email/Text Generator Shown)

Specifications

Input Power	AC Version: 110 - 240 VAC, 50/60 Hz	
	DC Version: 5 VDC <i>NOTE: The DC version uses an AC adapter that requires access to an AC outlet.</i>	
Current Draw	200 mA max (per email/text generator module)	
WiFi	2.4 GHz <i>NOTE: The 82-5202-XX email/text generator does not support 5 GHz networks, captive portal networks.</i>	
Contacts	1 or 2 input contact ports (depending on the version ordered)	
LED and Buzzer Indicators	LED Flashing Amber and Buzzer Emitting a Long Beep (after the side button has been held for at least 5 seconds)	The email/text generator module has entered initial setup mode.
	LED Flashing Amber (upon startup)	The module is trying to connect to a WiFi network but either has not been set up or cannot find the assigned WiFi.
	LED Solid Green	The module is on and functioning properly.
	LED Solid Amber	The contact terminal strip has been disconnected from the module.

Installation

1. Select the mounting site. When you select the mounting site consider the following factors:
 - For AC versions, is an AC power source available?
 - For DC versions, is an available AC outlet nearby?
 - Is there enough room to open the housing door and make wiring connections (see Figure 3)?
2. The mounting feet and hardware to install the mounting feet are shipped in a bag inside the housing. Install the mounting feet as shown below.



3. Position the monitor on a vertical surface at eye level (4 1/2 to 5 feet from the floor).
4. Use 3/16" screws through the slots in the mounting feet at each corner of the housing to secure the housing to the mounting surface.

5. The contact terminal strip(s) and email/text generator module(s) are shipped uninstalled and stored in the enclosure. Plug the email/text generator module(s) into the USB port standoff(s).

NOTE: Leave the contact terminal strip(s) uninstalled until the relay contacts have been connected.

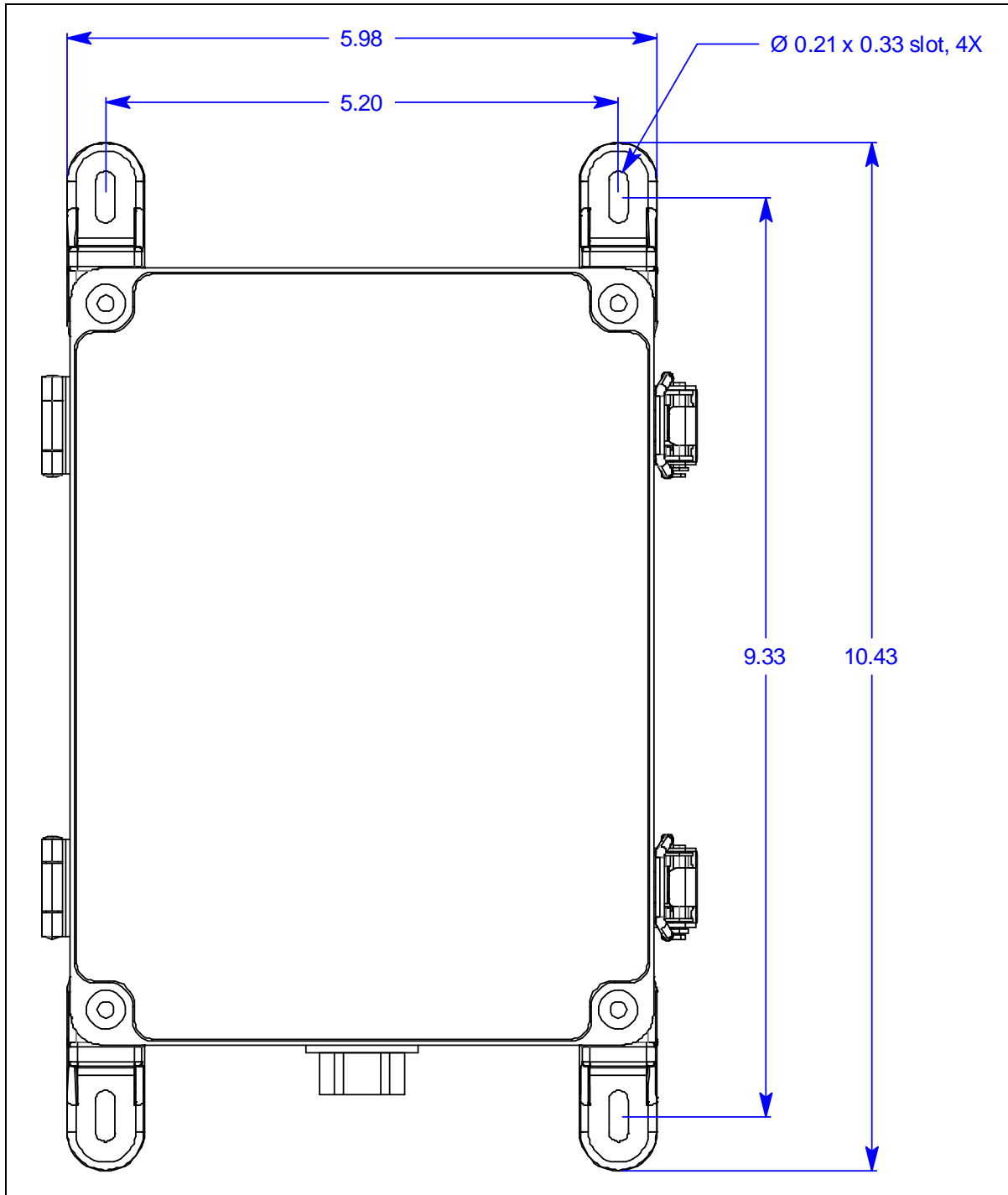


Figure 3: Dimensions

Wiring

1. If using AC power:
 - a. Unscrew and remove the key nuts from the AC terminal strip's cover.
 - b. Route the AC wires through the conduit hub on the bottom of the housing.
 - c. Connect a line wire from the AC power source to the “**H**” terminal on the AC terminal strip.
 - d. Connect a neutral wire from the AC power source to the “**N**” terminal on the AC terminal strip.
 - e. Connect a ground wire from the AC power source to the “**G**” terminal on the AC terminal strip.
 - f. Reinstall the AC terminal strip's cover using the key nuts.

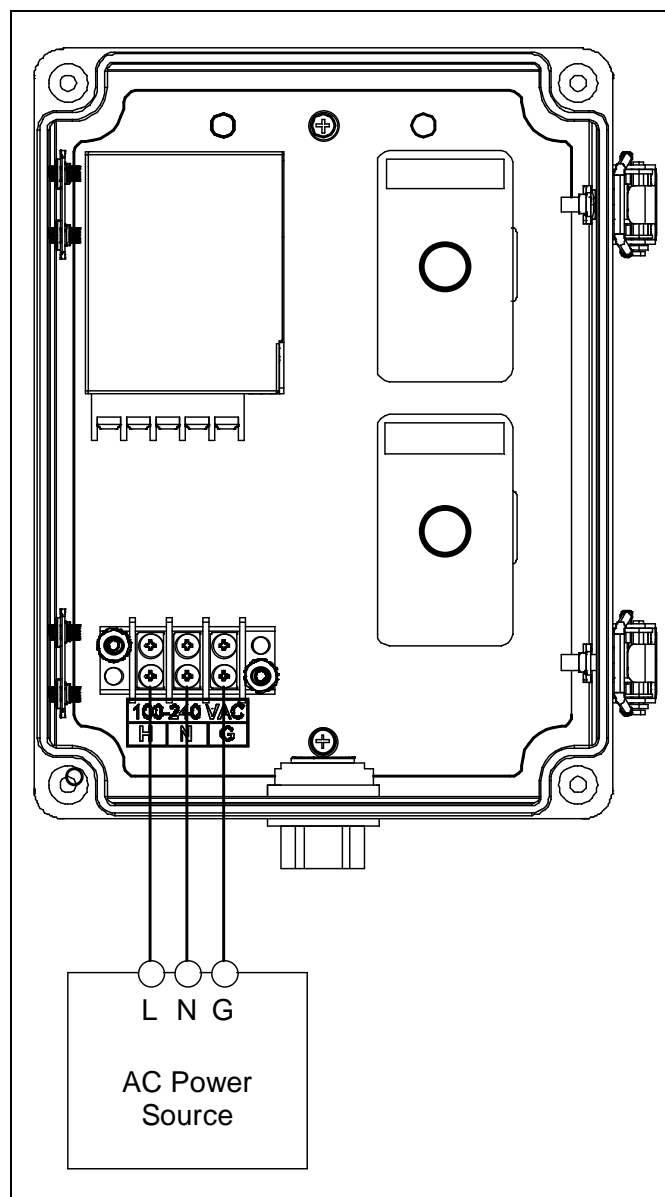


Figure 4: AC Wiring

2. If using DC power, plug the AC power adapter's plug into the AC outlet.

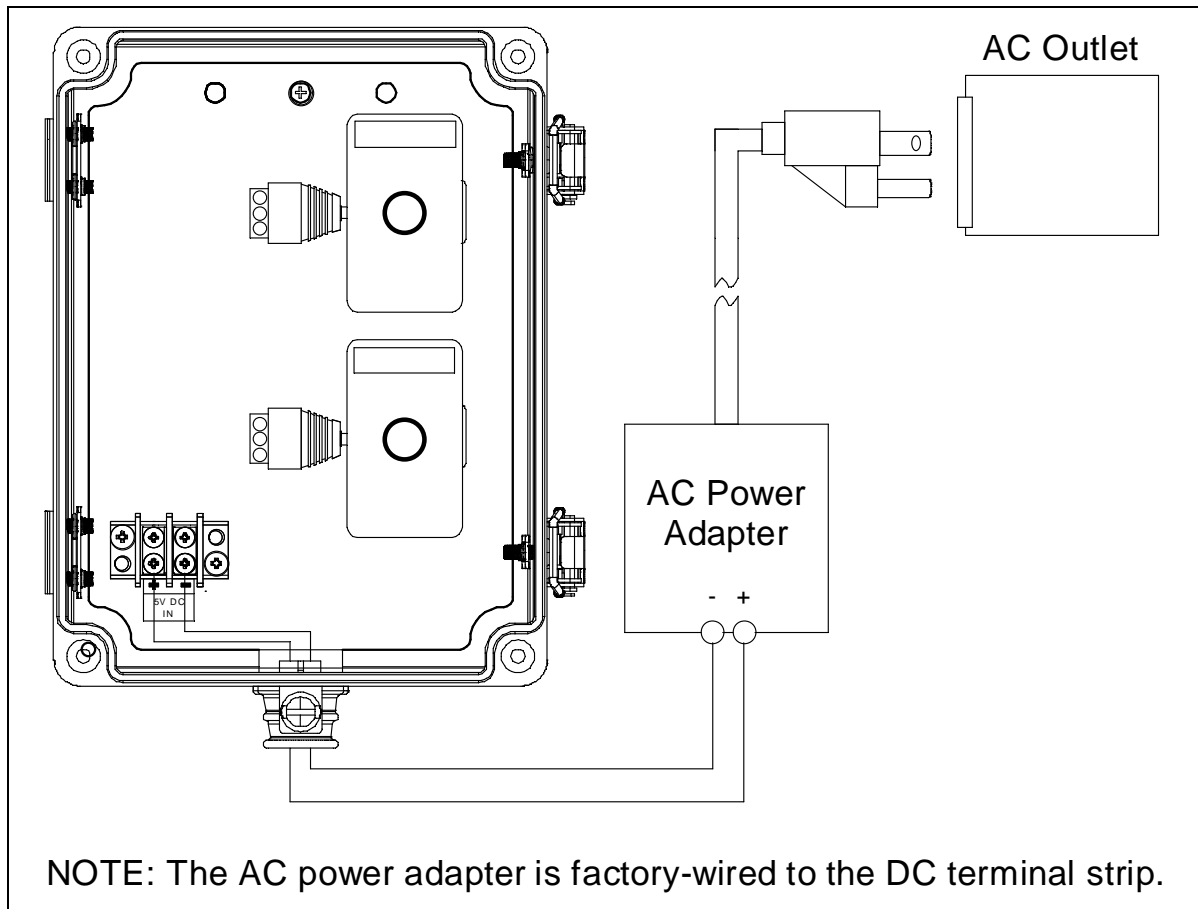


Figure 5: DC Wiring

3. To wire the relay contacts, remove the contact-monitoring terminal(s) from the email/text generator module(s) if plugged in.
4. Connect the two wires to the terminal strip as follows (see Figure 6).
 - a. Connect the common wire to the ground (bottom) terminal.
 - b. Connect the relay contact wire (normally opened or normally closed) to the “**L**” terminal.

NOTE: Disregard the middle terminal labeled “**R**”. The monitoring terminals function *only* as contact monitors and are not used to power any components.

5. Plug the contact-monitoring terminal(s) into the email generator module(s).
6. For 82-5202-02 generators, repeat Step 3 through Step 5 to wire and install the second email/text generator module.

7. Plug in power to the email/text generator.

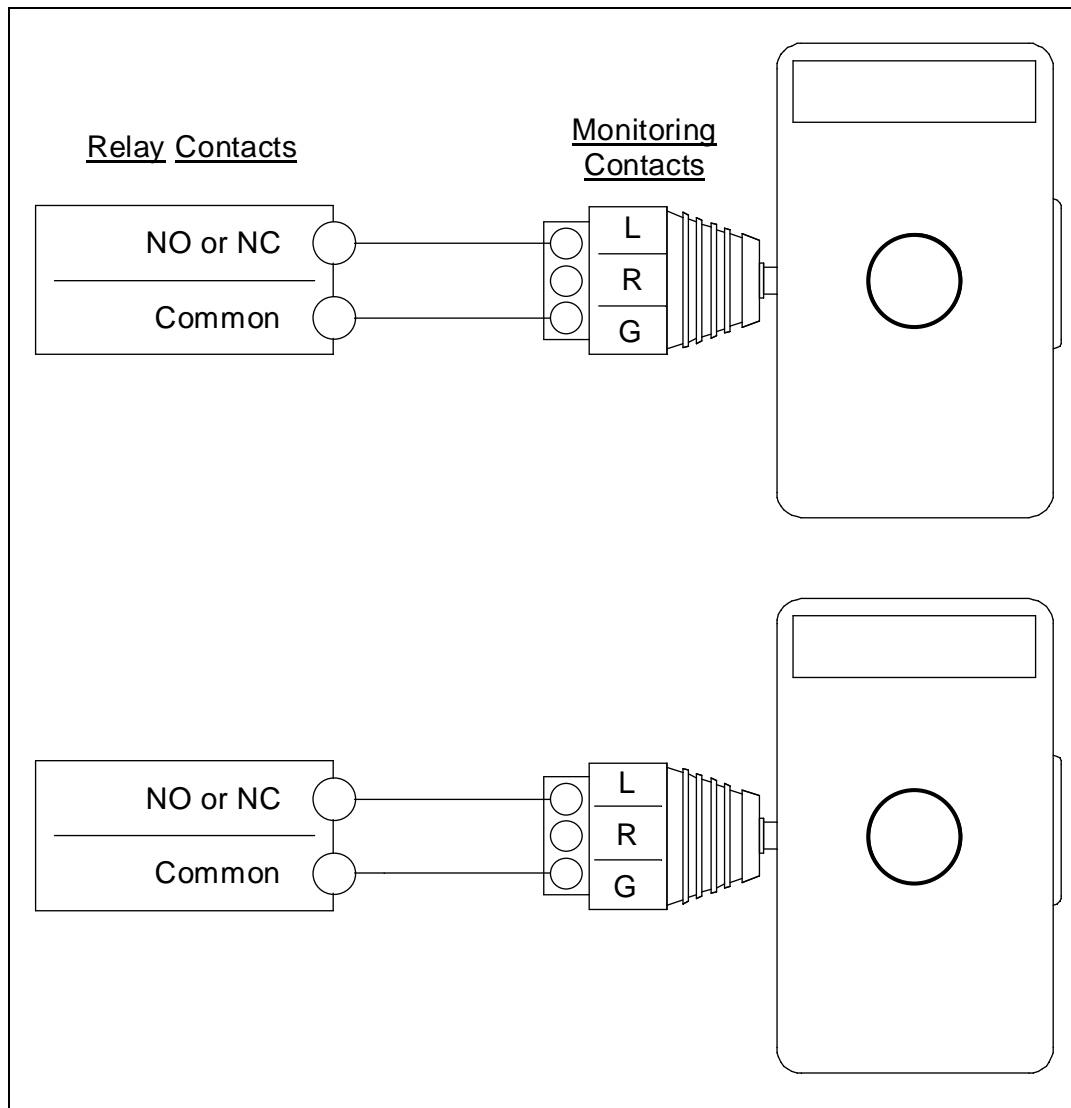


Figure 6: Contact Wiring

Initial Setup

NOTE: If there are any errors or blank fields in a submitted form, the generator module(s) must be reset by holding down the button below the terminals. Always check that information is entered correctly before submitting forms.

1. Connect power to the email/text generator. The LED will light up green.
2. Press and hold the reset button on the left side of the generator module below the terminals. Release the button when the LED begins flashing orange and a long beep sounds.

The email/text generator module is now ready for setup.

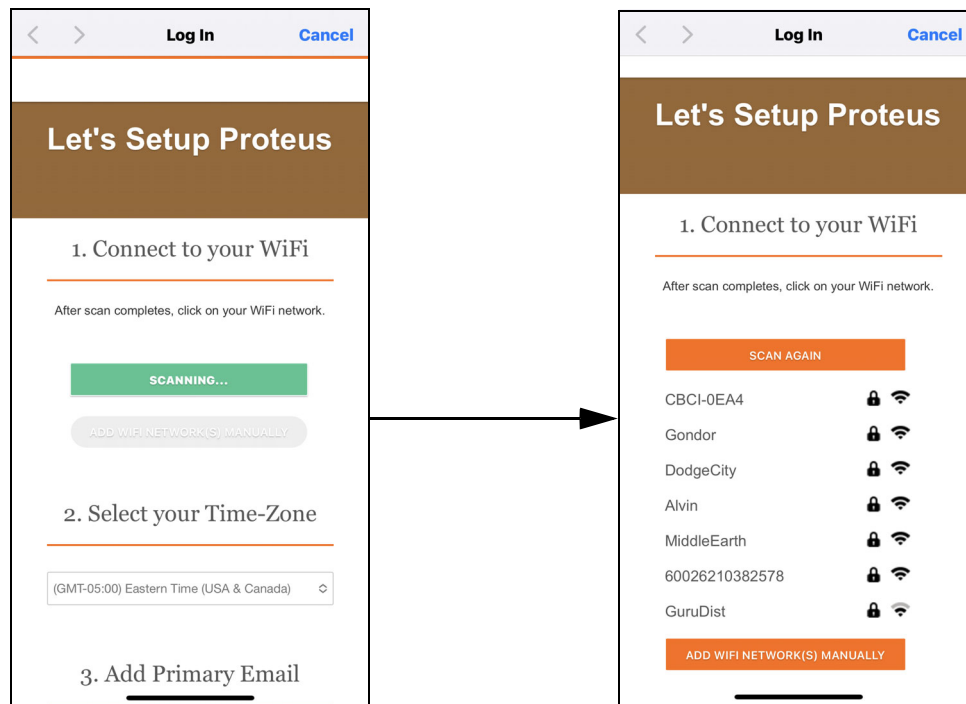
3. Navigate to the WiFi Networks screen on your computer, phone, or tablet.

NOTE: Android phones must be in airplane mode before connecting to the email/text generator. If connectivity issues occur with another mobile device, tablet, or computer, place it into airplane mode.

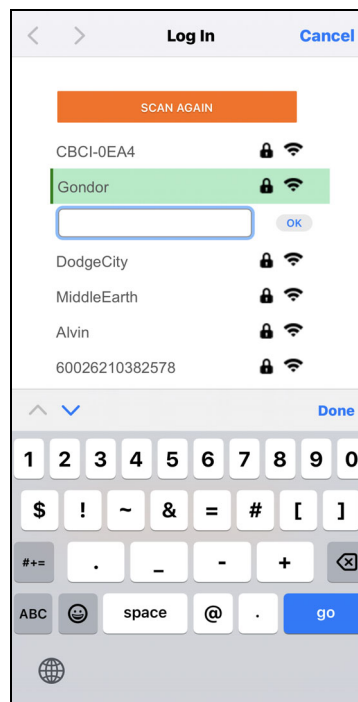
4. Select **ProteusSetup-XXXXXXXXX**. The 9-digit string will be unique to the generator module.



- After selecting the generator module's network, the setup interface automatically opens up in a browser window. Allow the page to scan for WiFi networks.



- Select the WiFi network that the generator will connect to.
- Enter the WiFi password (case-sensitive) into the text field.



- Press “OK” to connect the generator to the selected WiFi network.

9. Select the **time-zone** and enter the **primary email address**.

NOTE: This email address will also be registered as the account's **username**. To add more email addresses for receiving alerts, press the “+” icon.

The screenshot shows a mobile app interface for initial setup. At the top, there's a header with navigation arrows, 'Log In', and 'Cancel'. Below this, there are two rows of network information: '60026210382578' and 'GuruDist', each with a lock icon and a Wi-Fi icon. An orange button labeled 'ADD WIFI NETWORK(S) MANUALLY' is below. The main content area has two sections: '2. Select your Time-Zone' with a dropdown menu showing '(GMT-05:00) Eastern Time (USA & Canada)', and '3. Add Primary Email' with a text input field containing 'Enter an email, not a phone# in this field.' and a green '+' button. A green 'SAVE SETTINGS' button is at the bottom.

10. Press “SAVE SETTINGS” to submit all information entered. Allow 30 seconds for initial setup to complete.

This screenshot shows the same setup screen as before, but with changes. The time zone dropdown now shows '(GMT-08:00) Pacific Time (USA & Canada)'. The email input field now contains 'JackBrady@rklinstruments.com'. Below the email field, there is a green circular progress indicator with the number '28' inside. At the bottom, there is a red button labeled 'SUBMITTING CHANGES...'. The 'SAVE SETTINGS' button is no longer visible.

11. If the setup is successful, the buzzer will emit a long beep.

If the setup is unsuccessful, the buzzer will emit three short beeps and the LED will flash orange. See “Troubleshooting” on page 23 for further instructions.

12. After successfully connecting the generator, a confirmation email is sent to the primary email address entered in Step 9.

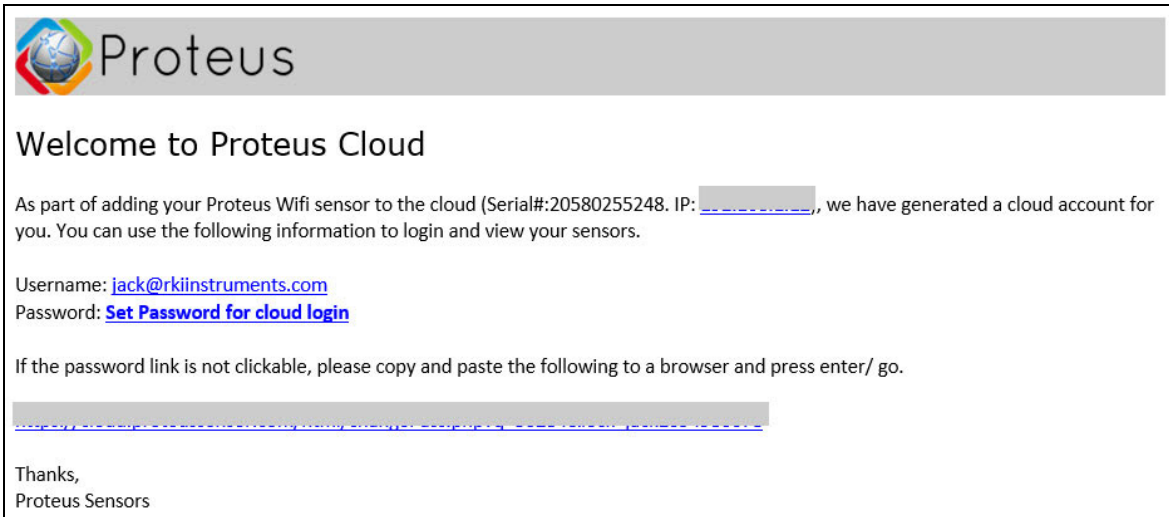


Figure 7: Confirmation Email

13. Click “Set Password for cloud login” and proceed to the next section.

14. For 82-5202-02 generators, repeat this procedure to set up the second email/text generator module.

Accessing the Generator’s Cloud Account

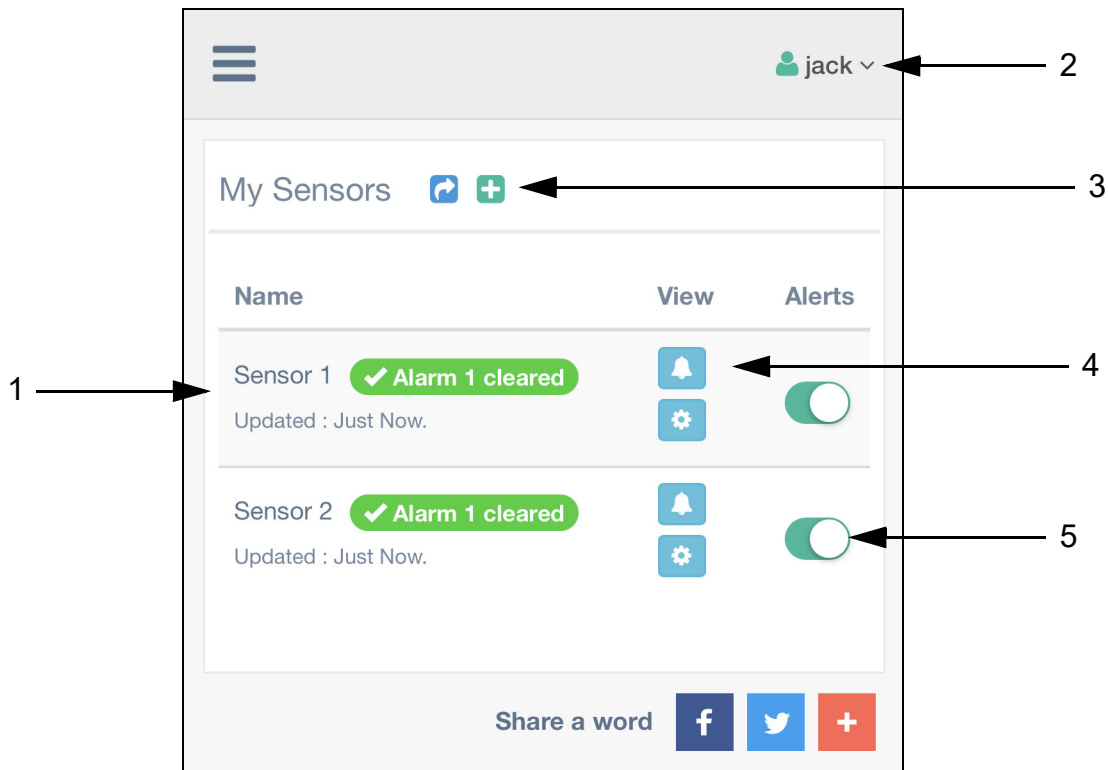
Access to the generator’s cloud account is required for updating contact info (email addresses and phone numbers), reviewing and downloading alarm logs, and configuring generator and alarm settings.

NOTE: If a generator is set up with the same primary email address used for an existing cloud account, the generator will automatically connect to that account. The following procedure does not need to be performed for each generator’s setup.

1. Open the confirmation email sent to the primary email account submitted in Step 9.
2. Click on “Set Password for cloud login”, or paste the provided URL into the browser search bar and press enter. Refer to Figure 7.
3. On the registration page, enter the primary email address as the username.
4. Enter a password, then click “Sign Up”. The generator’s website interface is now available.

Website Interface

After the generator and cloud account have been set up, enter cloud.proteussensor.com/ into a computer, tablet, or mobile phone browser and log into the website interface.

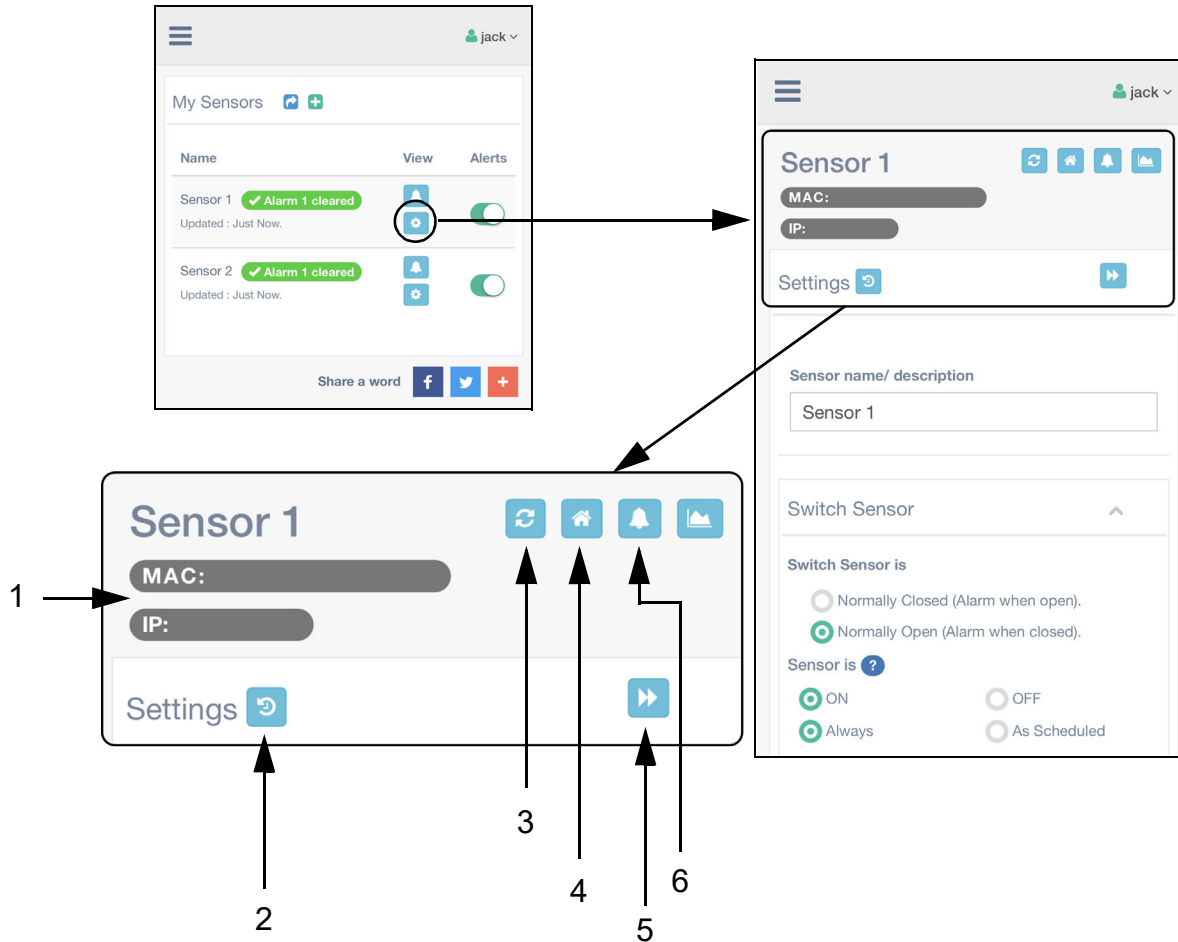


1. Sensor List Item: The Home menu lists sensors connected to the logged-in profile. Each item lists the sensor's name, the most recent event, and the last time the sensor sent an update.
2. Profile: Opens a dropdown menu for viewing profile settings, terms of use, and logging out.
3. Share/Add Icons:
 - a. The blue arrow opens a window with a shareable link to a read-only version of the generator's main interface (not including the alarm logs or settings views). Links already in use can also be deactivated.
 - b. The green "+" symbol icon navigates to the generator's online store.
4. View Selection:
 - a. The bell icon opens the alarm logs view that shows all recorded activity.
 - b. The gear icon opens the generator's settings view. For the list of available settings, see Table 1 on page 18.
5. Alert Switch: This switch controls whether a message will be sent when a generator's alarm is triggered.

Updating Device Settings

The Settings view displays notification settings, contact and power settings, and spaces for entering and updating contact information.

Overview



1. MAC/IP Addresses: Displays the generator's MAC and IP addresses
2. Rewind Icon: Opens the Settings change history
3. Refresh Icon: Refreshes the Settings page with any recent events logged by the generator
4. Home Icon: Returns to the website's main interface
5. Double Arrow Icon: Shows the next generator's settings
6. Bell Icon: Opens the alarm logs view that shows all recorded activity

Generator Settings

The following table is a summary of user-adjustable options found on the Settings page:

NOTE: Changing settings or contact information of one generator does **not** automatically change the settings of another generator. To duplicate preferred settings, each generator must be adjusted individually.

Table 1: Settings View Options

Sensor Power & Relay Settings	<u>Switch Sensor</u>	<ul style="list-style-type: none"> • Normally Closed (alarm triggered when contacts open) • Normally Open (alarm triggered when contacts close)
	<u>Sensor On/Off</u>	<u>On</u> or <u>Off</u>
	<u>Schedule Settings</u>	<ul style="list-style-type: none"> • Always • As Scheduled <p>If set to <u>As Scheduled</u>, the device can be configured to send alerts on certain days and within specific time windows. Two start/end periods can be saved per email/text generator (24-hour format).</p>
Set Custom Messages	The text of the <u>alarm message</u> and <u>reset message</u> can be edited using these fields.	
Alarm Delays (optional)	<ul style="list-style-type: none"> • delay (value in seconds) between an alarm triggered and an alert being sent • delay (value in seconds) between an alarm reset and an alert being sent 	
Buzzer	<ul style="list-style-type: none"> • <u>Enabled</u> or <u>Disabled</u> • Snooze alarm after a period of time (value in minutes) 	
Time Zone	The generator's time zone can be adjusted.	
Notifications	<u>Email/Text Notifications</u>	<ul style="list-style-type: none"> • <u>On</u> or <u>Off</u> • Text field for email and/or phone contacts
	<u>Resend Alerts</u>	Period between resending alerts (value in minutes)
	<u>Alarm Reset Notification</u>	<ul style="list-style-type: none"> • <u>On</u> or <u>Off</u> • Sends notifications after an alarm is reset
	<u>Power/WiFi Outage Notification</u>	<ul style="list-style-type: none"> • Sends a notification if a power/WiFi outage lasts more than a set period of time (value in minutes) • <i>Optional:</i> Text field for email and/or phone contacts that will receive notifications during power/WiFi outages <p>NOTE: If this text field is left blank, the generator will only send power/WiFi notifications to the primary email associated with the generator's account.</p> <p>To prevent all power/WiFi notifications from being sent, enter "skip" into the text field.</p>

Setting Up Email and Text Notifications

To activate text notifications, log into the generator's website interface using the following link: cloud.proteussensor.com/.

1. While viewing the Home screen, press "Settings" or the gear icon.
2. While in the Settings View, scroll down to the "Notifications" section of the page.

3. Click on the text field with the contact addresses listed.
4. Enter a comma after the last contact address and enter the phone number(s). Do not add any spaces between email addresses or phone numbers.

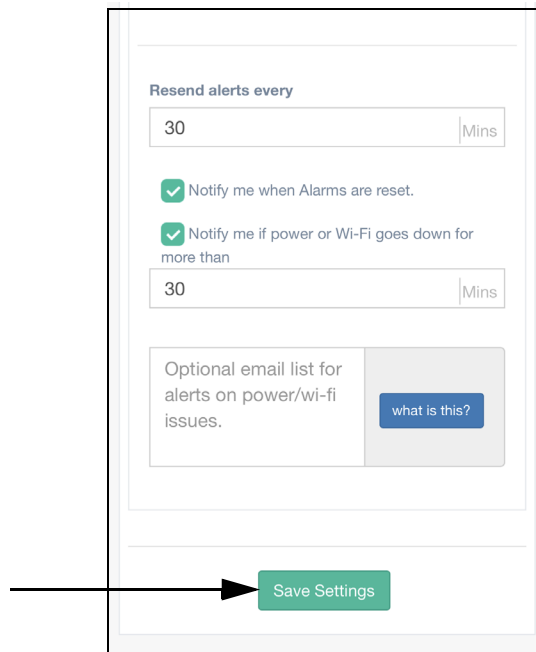
For phone numbers, a XXXXXXXXXX@_____ format is required, where the domain name used in the blank field depends on the phone number's wireless carrier. Refer to the following figure and table for formatting and domain names.

Wireless Carrier	Domain Name
AT&T	txt.att.net (SMS) <u>OR</u> mms.att.net (MMS)
Boost Mobile	sms.myboostmobile.com (SMS) <u>OR</u> myboostmobile.com (MMS)

Wireless Carrier	Domain Name
Cricket	sms.cricketwireless.net (SMS) <u>OR</u> mms.cricketwireless.net (MMS)
Google Fi	msg.fi.google.com (SMS & MMS)
Metro PCS	mymetropcs.com (SMS & MMS)
Sprint	messaging.sprintpcs.com (SMS) <u>OR</u> pm.sprint.com (MMS)
T-Mobile	tmomail.net (SMS & MMS)
Tracfone	mmst5.tracfone.com (MMS)
U.S. Cellular	email.uscc.net (SMS) <u>OR</u> mms.uscc.net (MMS)
Verizon	vtext.com (SMS) <u>OR</u> vmpix.com (MMS)
Virgin Mobile	vmobl.com (SMS) <u>OR</u> vmpix.com (MMS)
Xfinity Mobile	vtext.com (SMS) <u>OR</u> mypixmessages.com (MMS)

Saving Settings

When finished viewing or adjusting the device's settings, press the "Save Settings" button at the bottom of the screen.

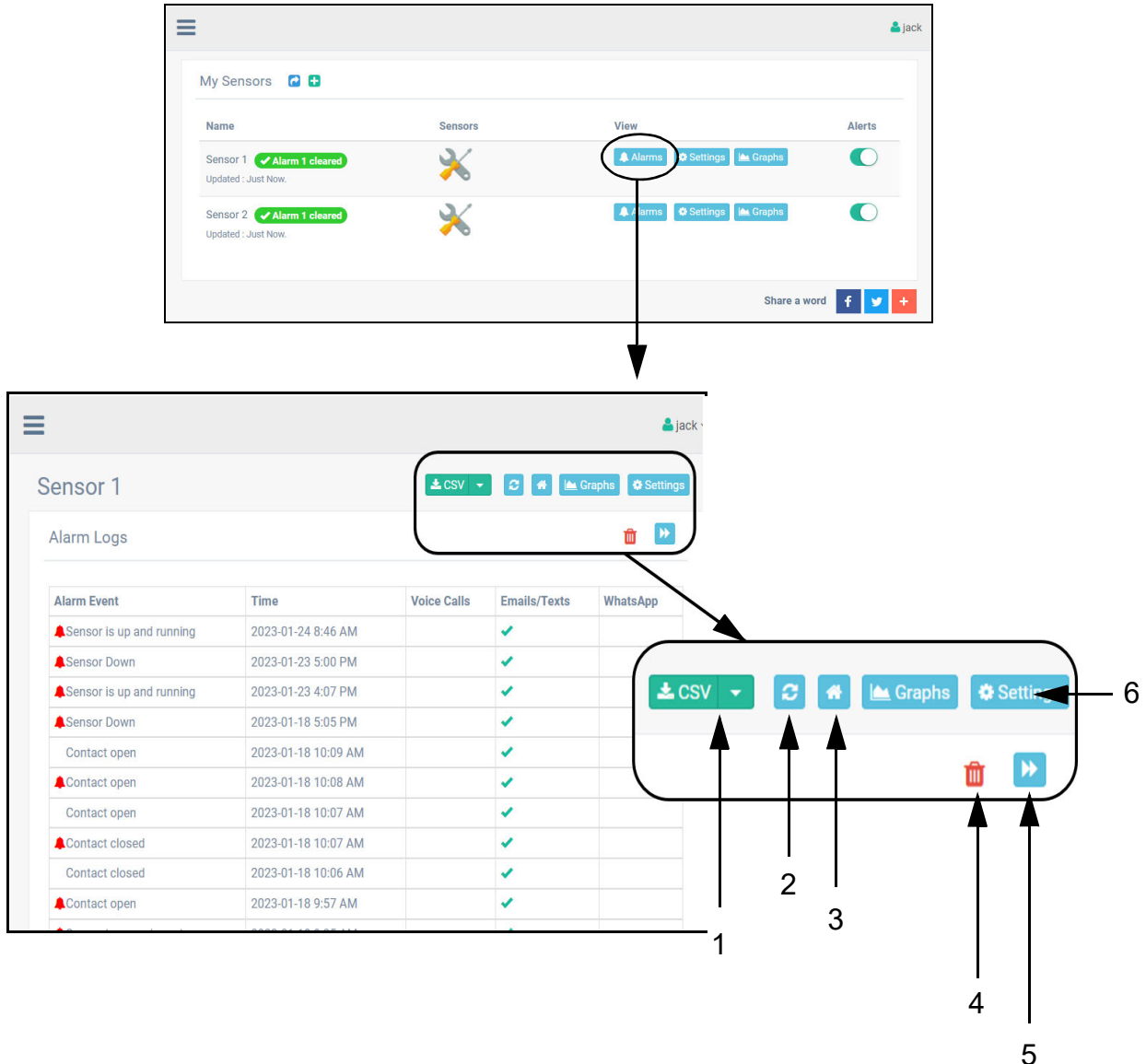


The image shows a mobile application interface for settings. At the bottom, there is a green button labeled "Save Settings". A black arrow points from the left towards this button. Above the button, the interface includes a section titled "Resend alerts every" with a text input field containing "30" and a "Mins" label. Below this are two checked checkboxes: "Notify me when Alarms are reset." and "Notify me if power or Wi-Fi goes down for more than", followed by another text input field containing "30" and a "Mins" label. Further up, there is a section titled "Optional email list for alerts on power/wi-fi issues." with a "what is this?" link.

Alarm Logs View

The Alarm Logs view shows all contact and status changes since the generator's initial setup.

The screenshots in the following figure are from the desktop version of the website interface to clearly display the Logs table and the Download Alarm Logs feature.



1. Download Alarm Logs: Downloads a .csv file of the generator's alarm logs from one of the following periods: 1 day ago, 7 days ago, or 30 days ago
2. Refresh Icon: Refreshes the Alarm Logs page with any recent events logged by the generator
3. Home Icon: Returns to the website's main interface
4. Double Arrow Icon: Shows the next generator's alarm logs.
5. Trash Can Icon: Deletes **all** alarm logs saved since the generator's initial setup

6. Settings (Gear Icon): The gear icon opens the generator's settings view. For the list of available settings, see Table 1 on page 18.

Troubleshooting

Problem	Solutions
Unable to access web interface	<ul style="list-style-type: none">• Press and hold the reset button until the LED flashes orange and the buzzer sounds for 10 seconds, then reconnect to the generator's network ID.• Try using a different computer, phone, or tablet.
Won't connect to the WiFi network <ul style="list-style-type: none">• LED flashes orange three times• Buzzer beeps 3 times	<ul style="list-style-type: none">• Ensure the network you are trying to connect to is a 2.4 GHz network. The device does not support 5 GHz networks.• Place the mobile device, tablet, or computer into airplane mode. Android phones must be in airplane mode before the generator can be setup.• Move the device to within 10 feet of the router/access point and try again.
Email/text sent but not received	<ul style="list-style-type: none">• Ensure the email is not caught by the spam filter or junk filter.• If an Outlook account is being used, check the account's inbox for the account verification email from Outlook. Follow the email's steps on verification.

Parts List

Part Number	Description
82-5202P	Replacement email/text generator module