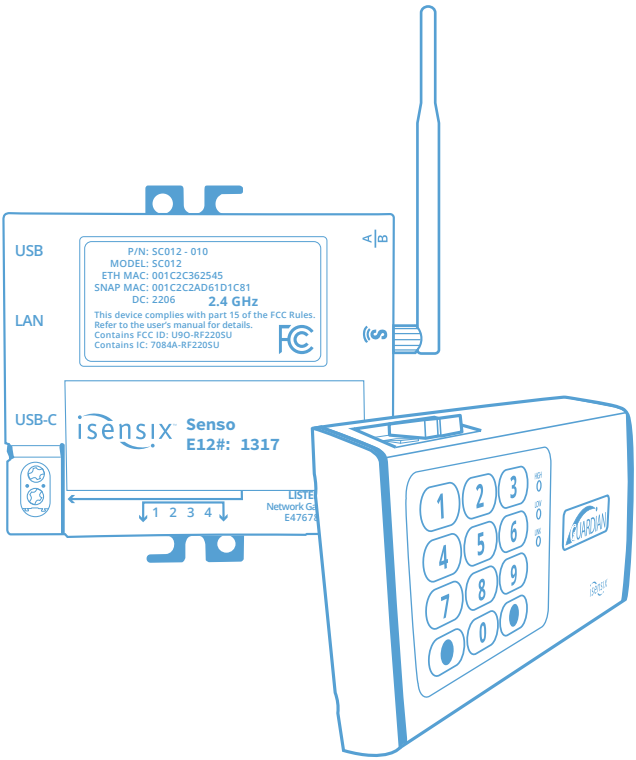
isensix™
A PST BRAND

SETUP GUIDE

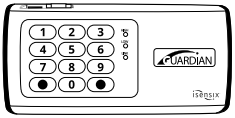
Guardian Monitoring System



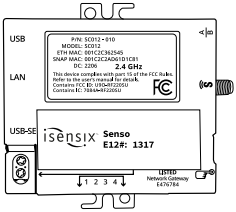
www.isensix.com
557 Cottonwood Avenue, Hartland, WI 53029

Package Contents

Your order may not include all the items listed below.



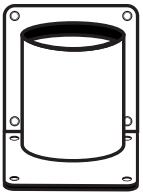
Guardian Collection Point[1]



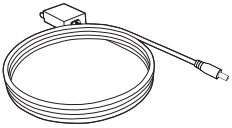
Guardian Access Point[2]

Probe

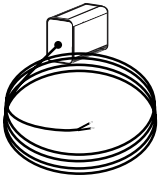
Bottle



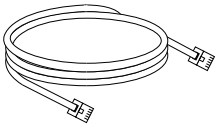
Bottle Holder



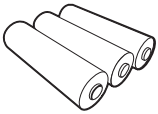
Collection Point Power Supply



Access Point Power Supply



Ethernet Cable

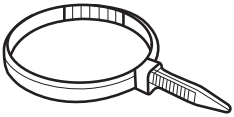


Batteries

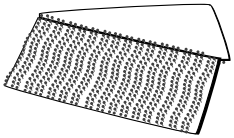
[1] Herein may be referred to as Collection Point.
[2] Herein may be referred to as Access Point.

Package Contents (cont.)

Your order may not include all the items listed below.

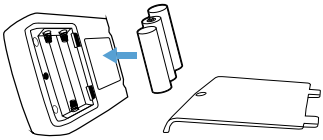


Zip Ties



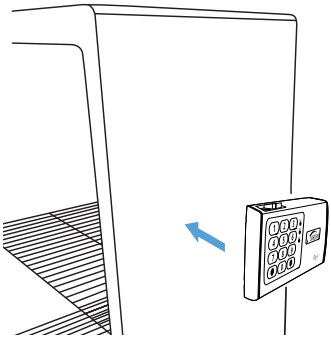
Velcro Tape

Device Setup: Guardian Collection Point



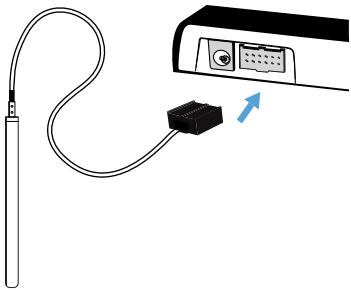
Power the Guardian Collection Point

The Collection Point is powered by a direct AC power supply. In the event of a power loss, the device will switch over to battery power which lasts an average of 2 to 3 days. Install (3) AA non-rechargeable batteries into the back of the Collection Point.



Attach Collection Point to Wall or Storage Unit

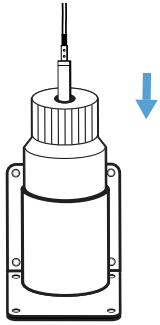
Select a location for the Collection Point that is eye-level or higher, easily accessible for keypad input, within range of the probe's cable length, and within range of the AC Power Cord length. Secure using dual locking Velcro Tape.



Attach Probe to Collection Point

Align the male and female 12-pin connectors, and push probe into the Collection Point. There will be a click, indicating the connection is secure.

Device Setup: Guardian Collection Point (cont.)



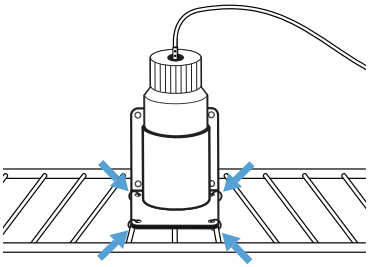
Insert Probe into Bottle

Insert the probe into the bottle with buffering solution, then insert into bottle holder.

Suggested Buffering Solutions:

Refrigerators (< -30°C): 70% Glycerin / 30% Water

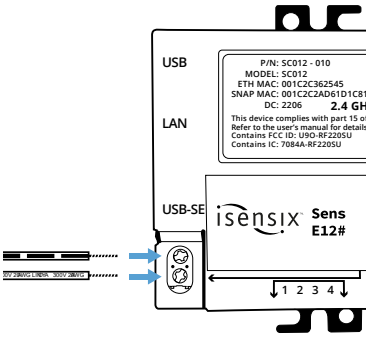
Freezers (> -30°C): 100% Alcohol



Secure Bottle Holder to Storage Unit

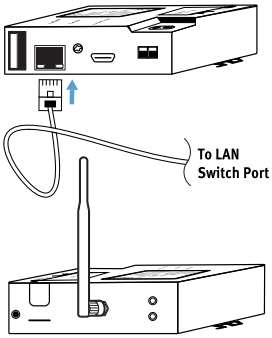
Select a location on the interior wall of the storage unit with minimal temperature fluctuations. Secure with zip ties and/or anchors. Ensure placement complies with regulatory guidelines.

Device Setup: Guardian Access Point



Power the Guardian Access Point

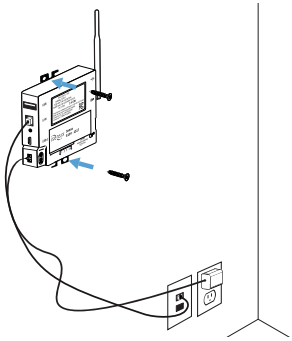
The Access Point is powered by a direct AC power supply. The power supply already comes installed, however, if the leads were disconnected, re-insert as shown here.



Connect LAN cable and Antenna to Access Point

Attach the antenna to the male connector. Position the antenna upright to ensure optimal signal strength.

Next, connect an ethernet cable from your network's switch port hub to the Access Point.

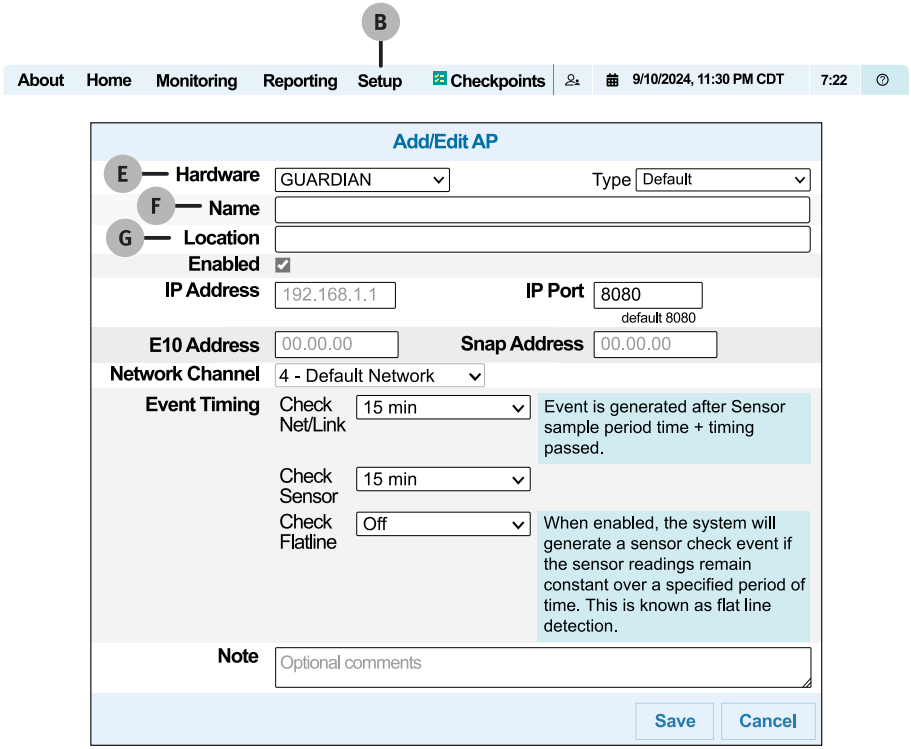


Attach Access Point to Wall

Place the Access Point at eye level or higher, ideally no less than 8 ft from the floor. It has a 50ft service range and can connect up to 25 Collection Points. Secure with dual locking velcro or mounting brackets.

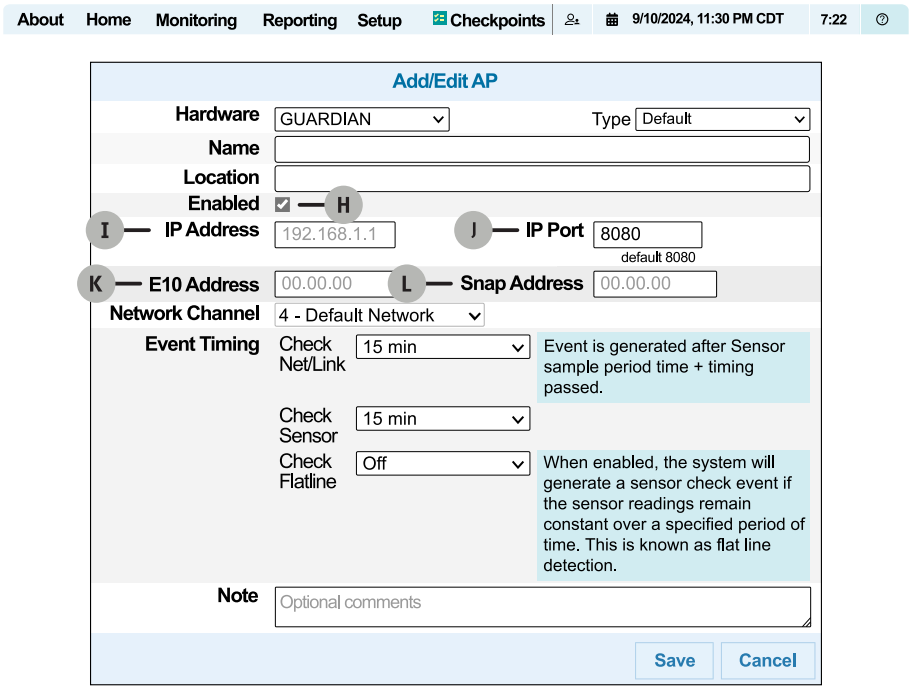
Guardian Software Setup: Access Point

Once all hardware is set up, the next step is to establish a connection between all devices. Let's start with the Access Point.



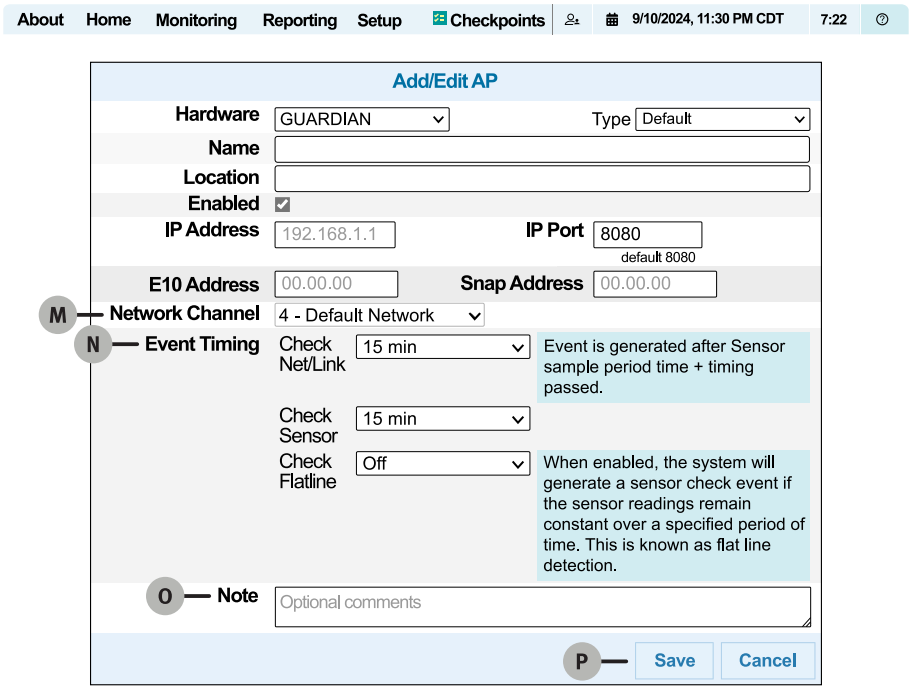
A. Log into your Isensix account (not shown).
B. Hover over the "Setup" tab in the main menu.
C. Select "Access Points" from the submenu (not shown).
D. Click the "Add New Access Point" button (not shown).
E. Select "Guardian" as the Hardware and "Default" as the Type.
F. Name the Access Point. Choose a recognizable name. Example: AP01 Blood Bank Ch1
G. Enter the location of where the Access Point is mounted. Example: Main Bldg, 2nd Flr, Rm 202, Jack 51-223

Guardian Software Setup: Access Point (cont.)



H. Ensure the "Enabled" checkbox is selected (default).
I. Enter the assigned IP address for the Access Point.
J. Verify "IP Port" 8080 is entered (default).
K. Enter the last 6 digits of the “E10 Address” located on the front of the Access Point (labeled as ETH MAC). For example, if the address is 001C2C362545, enter "36.25.45".
L. Enter the last 6 digits of the “Snap Address” located on the front of the Access Point (labeled as SNAP MAC). For example, if the address is 001C2C2AD-61D1C81, enter "1D.1C.81".

Guardian Software Setup: Access Point (cont.)



M. Select a "Network Channel" for the Access Point. Use different channels for each Access Point. There are 46 available. Contact Isensix Support for assistance determining an available/suggested channel.

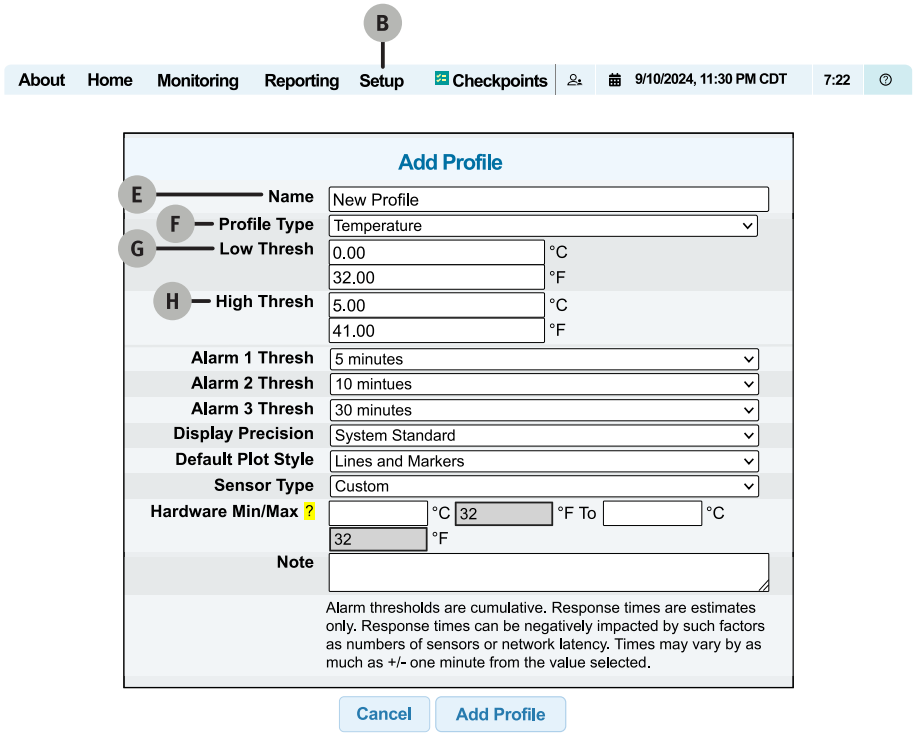
N. Confirm the "Event Timing" settings:
- "Check Net/Link" and "Check Sensor" default to 15 minutes.
- "Check Flatline" is disabled by default. We recommend enabling this feature.

O. (Optional) Add notes if desired. Notes will be timestamped in the audit log.

P. Click the “Save” button.

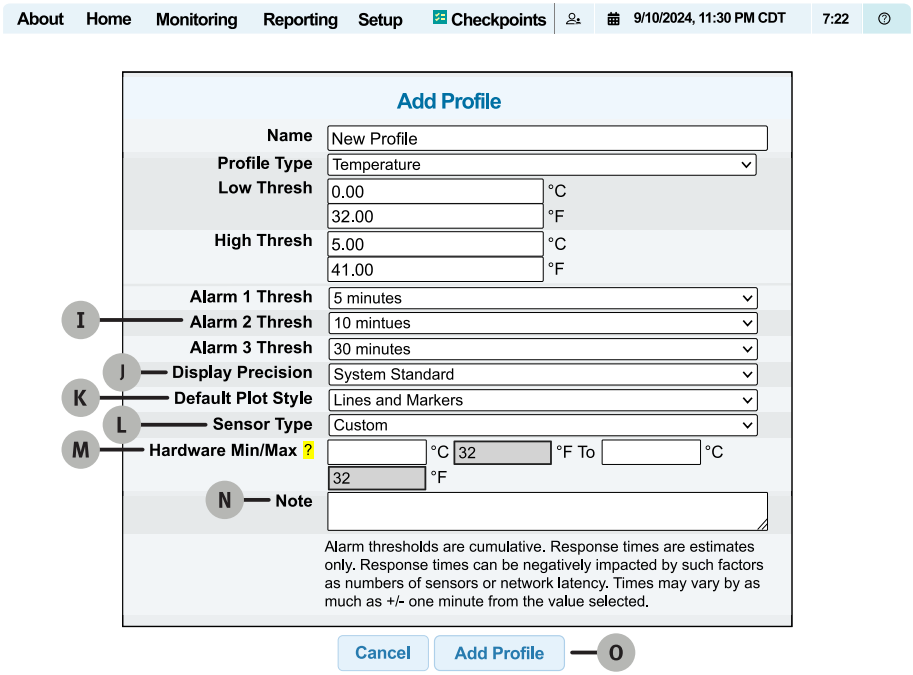
Guardian Software Setup: Sensor Profile

Next, let's setup the Sensor Profile. This profile is required in order to complete Collection Point setup.



A. Log into your Isensix account (not shown).
B. Hover over the “Setup” tab in the main menu.
C. Select “Profiles” from the submenu (not shown).
D. Click the “Add New Profile” button (not shown).
E. Name the sensor profile. Example: Blood Bank Room Temp 20 to 24C
F. Select a "Profile Type". This is determined by the type of sensor being used.
G. Enter the "Low Thresh", the lowest value for normal operation. A low event alert triggers if the sensor drops below this value.
H. Enter the "High Thresh", the highest value for normal operation. A high event alert triggers if the sensor increases past this value.

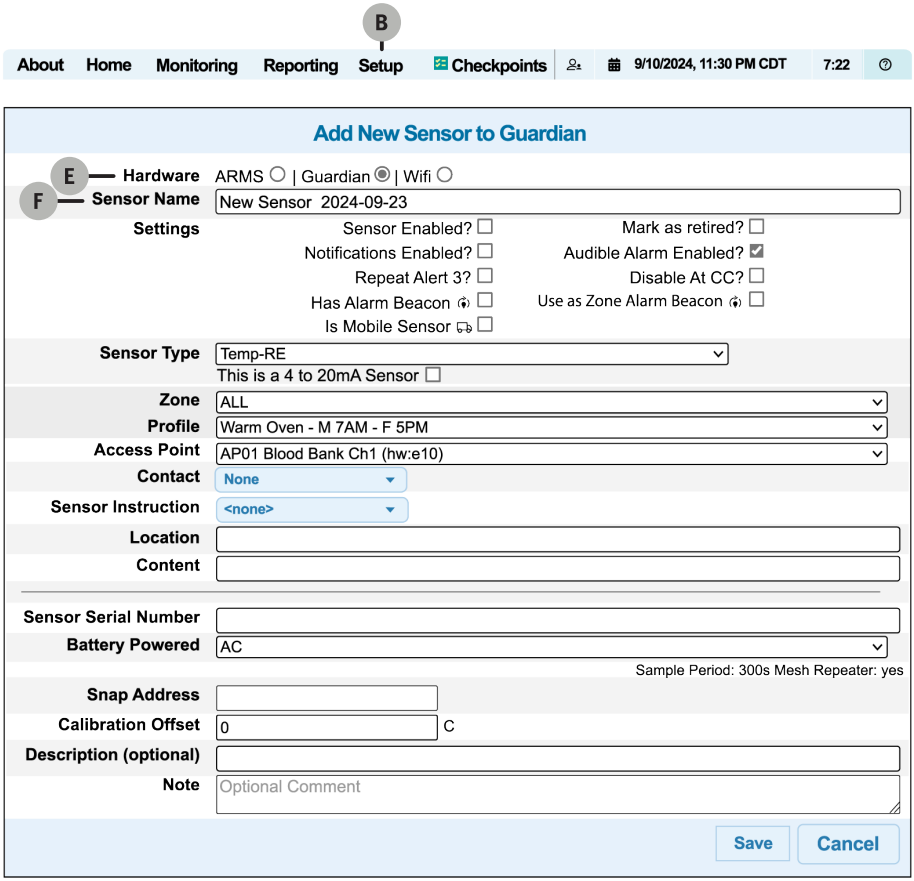
Guardian Software Setup: Sensor Profile (cont.)



I. Enter your Alarm 1, 2, & 3 Thresholds. This is the amount of time that must pass before an event alarm is triggered.
J. Select your preferred "Display Precision" – these decides the number of decimal points shown for values.
K. Select your preferred "Default Plot Style" – Lines, Dots, and more.
L. Select the "Sensor Type" connected to your Collection Point. Match the serial number on the sensor to the dropdown list. For example, if the serial number is GRM-0424-0078, select "Temp-RM."
M. Once the "Sensor Type" is selected, the "Hardware Min/Max" values will auto-populate.
N. (Optional) Add notes if desired. Notes will be timestamped in the audit log.
O. Click the “Add Profile” button.

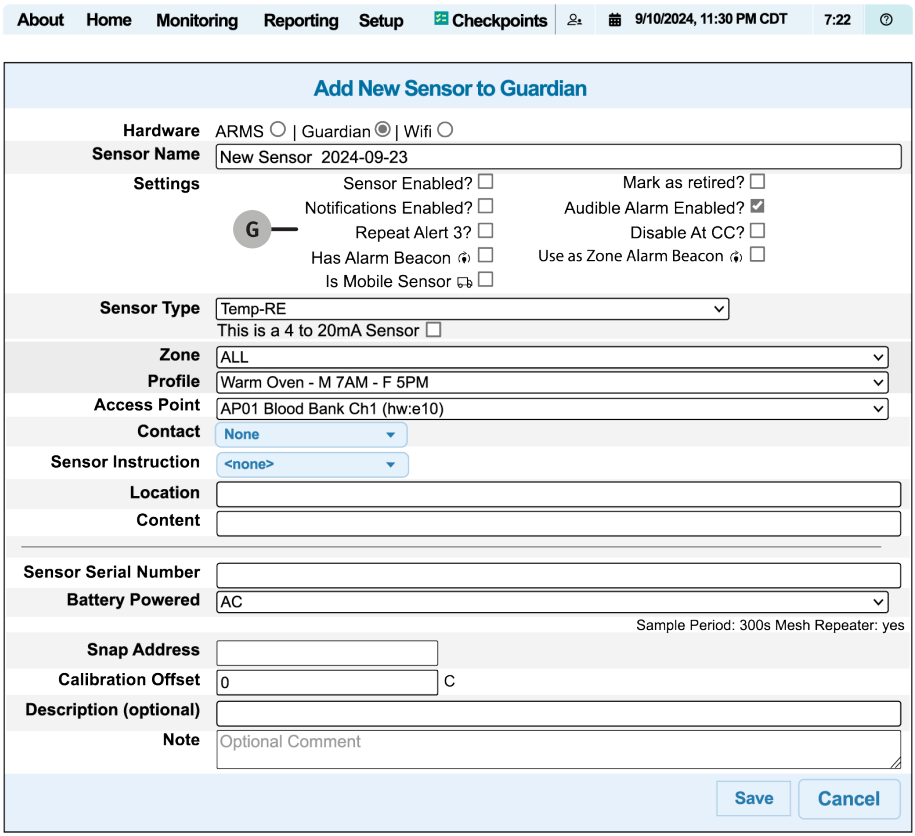
Guardian Software Setup: Collection Point

Once the access point and sensor profile has been configured, the final step is to connect the Collection Point with the Access Point.



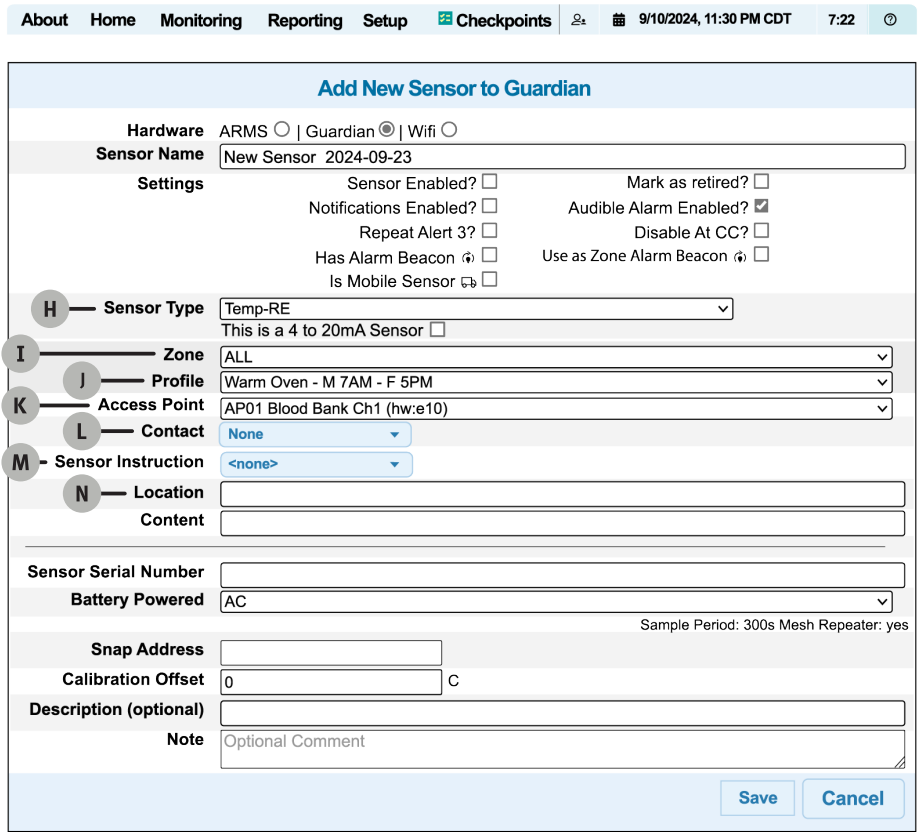
A. Log into your Isensix account (not shown).
B. Hover over the “Setup” tab in the main menu.
C. Select “Sensors” from the submenu (not shown).
D. Click the “Add New Sensors” button (not shown).
E. Select “Guardian” under Hardware (if not chosen by default).
F. Name the sensor. Choose a unique name. We suggest adding the asset's tag # to help better identify unit. Example: Blood Bank Room Temp TS003

Guardian Software Setup: Collection Point (cont.)



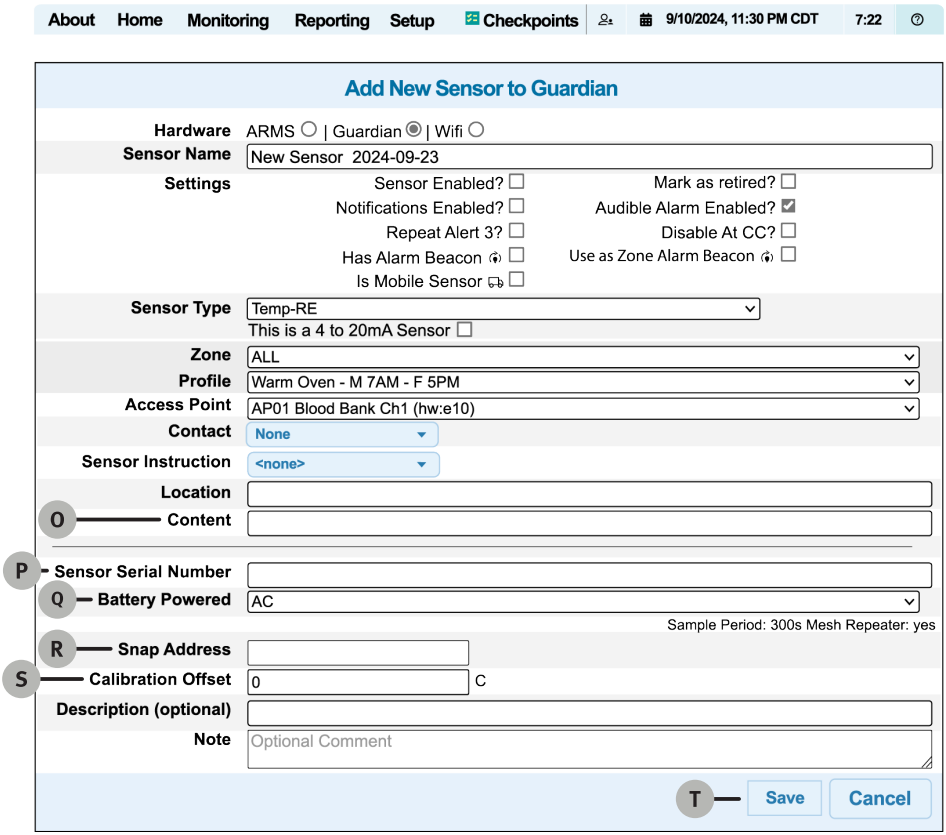
G. (Optional) Adjust the following settings as applicable:
- "Sensor Enabled?" Turns CP monitoring on/off.
- "Notifications Enabled?" Sends event alerts.
- "Repeat Alert 3?" Repeats alerts every 15 minutes after "Alarm 3 Thresh" is reached. Reccommend enabling for critical units.
- "Has Alarm Beacon" Marks if strobe light is attached.
- "Is Mobile Sensor" Marks CP as mobile; only "Last Reading" shown.
- "Mark as retired?" Inactivates sensor but keeps it in records
- "Audible Alarm Enabled?" Activates local alerts.
- "Disable At CC?" Omits sensor from CC alarms.
- "Use as Zone Beacon" Activates beacon for zone-wide alerts.

Guardian Software Setup: Collection Point (cont.)



H. Select the "Sensor Type" connected to your Collection Point. Match the serial number on the sensor to the dropdown list. For example, if the serial number is GRM-0424-0078, select "Temp-RM".
I. Select the "Zone" where the sensor will be displayed on the Live View page.
J. Select the appropriate "Profile" for allowable ranges and alarm thresholds.
K. Select the "Access Point" that the sensor will communicate with.
L. Select the "Contact" who is the point of contact for this sensor if needed.
M. (Optional) Select "Sensor Instruction", if applicable.
N. Enter the "Location" where the Collection Point is mounted. Example: Blood Bank, 2nd Floor, East Wall

Guardian Software Setup: Collection Point (cont.)

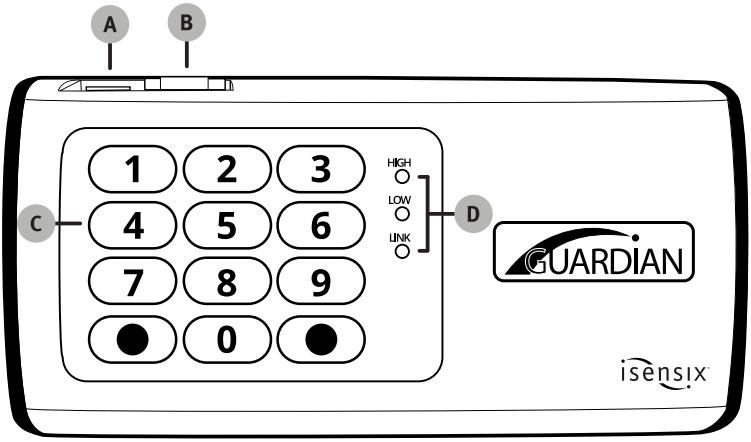


O. Enter the "Content" of the unit if desired. Example: Vaccines
P. Enter the "Sensor Serial Number" from the tag on the sensor. Example: GRE-####-####
Q. Select "AC" under "Battery Powered" (if not chosen by default).
R. Enter the "Snap Address" located on the front of the Collection Point. Example: 24.60.9b.
S. Enter the "Calibration Offset" from the sensor packaging. If offset is not provided, contact Isensix Support. If reusing a sensor, enter "0" and recalibrate under Setup > Calibration.
T. Click the “Save” button.

Additional settings details can be found in the Help Topics ⓘ section within the software.

Device and Display Guide

Guardian Collection Point



A. Power Supply: Female input for AC power supply.

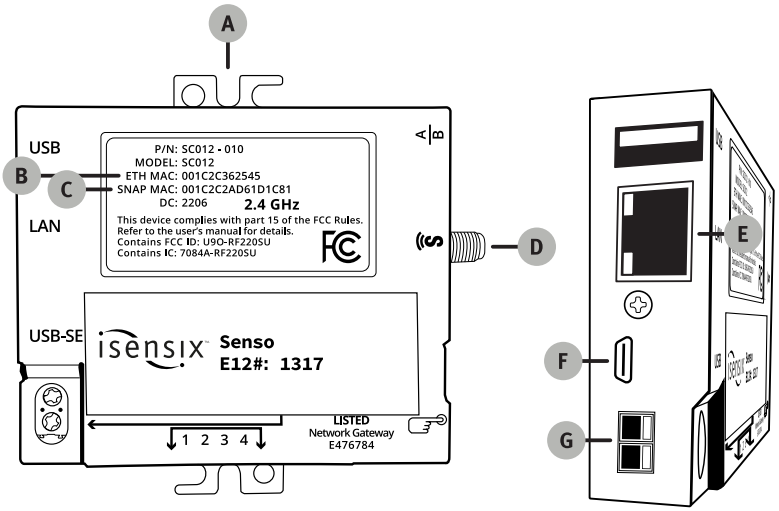
B. 12-pin Connector: Female input for connecting a sensor.

C. Numeric Keypad: Used to input various codes or commands.

D. Status Indicators: Will illuminate when connection to access point is active, as well as if the sensor is triggering high or low thresholds.

Device and Display Guide

Guardian Access Point



A. Mounting Bracket: Can be used to secure device to wall, if desired.

B. ETH MAC: Unique network address to connect to your access point.

C. SNAP MAC: Unique address that enables communication between devices.

D. Antenna Connector: Male input for external antenna.

E. LAN Port: Input for existing network cable.

F. USB-SERIAL: Maintenance port used by Isensix Support.

G. Power Supply Inputs: The AC power cable should come already connected to the device. Otherwise, refer to page 5 or contact Isensix Support for assistance.

Technical Support

Our technical support team is available Monday through Friday from 8:00 AM to 5:00 PM Central Standard Time.

Phone:
866-634-2767

Email:
support@isensix.com

24/7 Emergency Support:
We provide 24/7 emergency support for critical issues that may impact operations, such as system failures, database crashes, or other system instabilities.

IS7322001E-US_1.4/2024-11

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