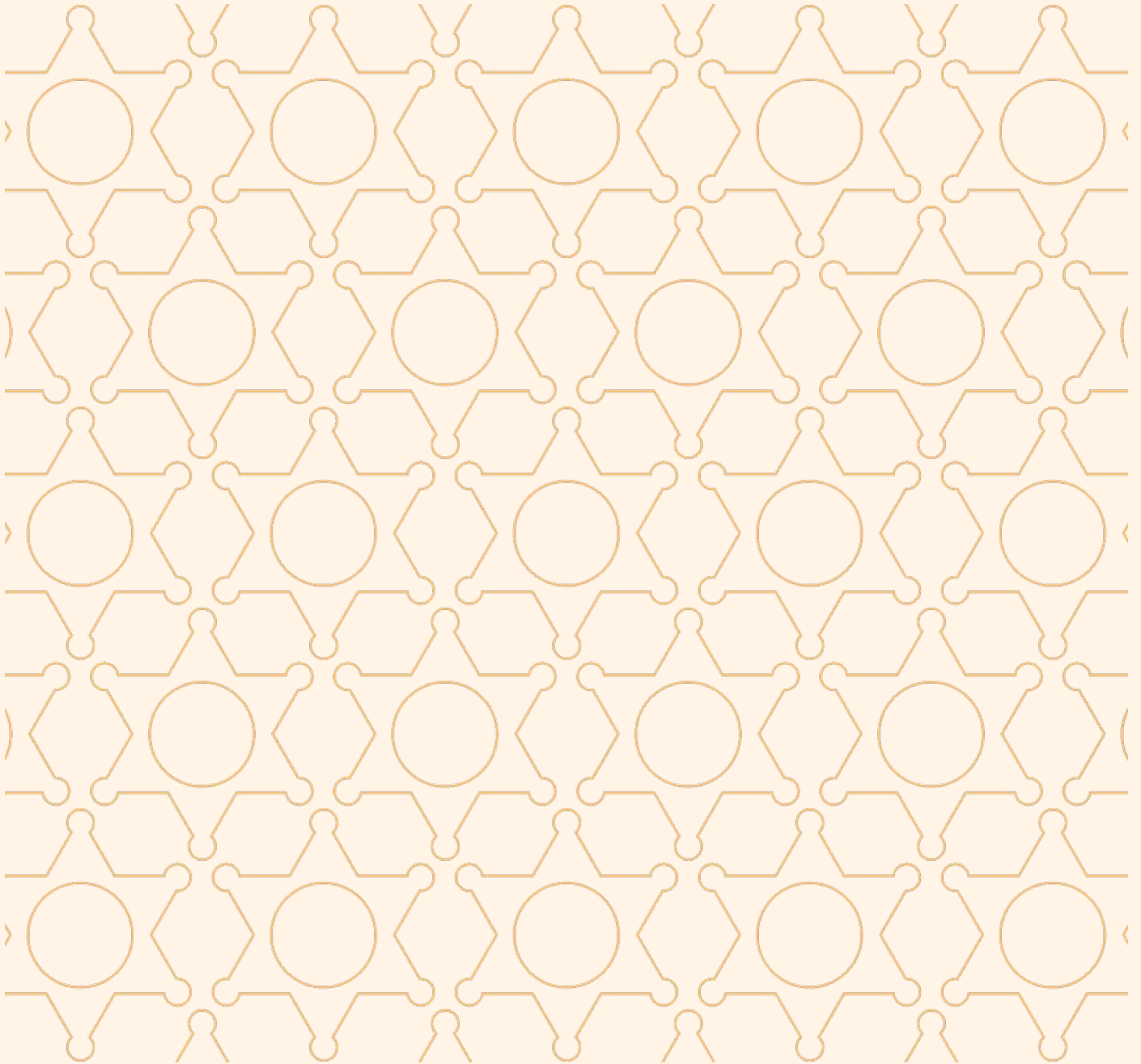




Farmblox
COP-R-LOCK



COP-R-LOCK Alarm

Product Manual

v1.0

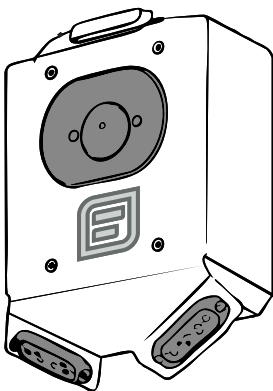
COP-R-LOCK Alarm

The COP-R-LOCK Alarm provides enhanced security of remote assets with automatic siren and strobe light activation to deter theft in progress. The COP-R-LOCK Alarm can be triggered by the COP-R-LOCK Motion-Distance Sensor, COP-R-LOCK Trigger Sensor, or other sensor.

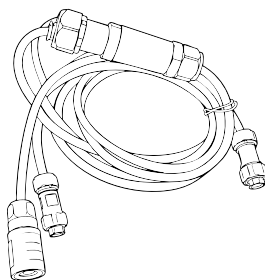
Key features include:

- **Rapid activation:** Activates within 10 seconds (typically 2 seconds) upon a paired sensor device detecting a potential theft event.
- **Versatile deployment:** Suitable for any field location, protecting a variety of assets, including water pumps, electrical substations, equipment, solar fields, and more.
- **Durable construction:** Weatherproof build for reliable operation in harsh outdoor conditions.
- **Seamless integration:** Connects to the Farmblox Base Station and External Solar Battery Kit for remote, off-grid wireless control and power.

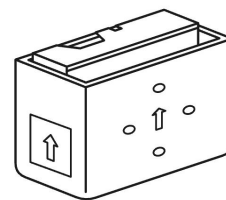
Package Contents



Alarm x1



Alarm 'Y' Cable x1



Mounting Bracket x1

Safety Information

Before beginning installation:

- Wear appropriate PPE.
- Verify there are no overhead power lines near the installation location.
- Locate all underground utilities before digging.
- Use proper lifting techniques when handling poles.
- Keep all cables protected from sharp edges and pinch points.

Required Tools & Materials

Installer-Supplied Materials for Pole Mount Installation

- Stainless steel hose clamps (4 total, sized slightly larger than pole diameter)
- Metal spacer (if required for smaller diameter poles)
- Zip ties (to secure cables to pole)

Required Tools

- Ratchet and socket (U-bolt size to be determined based on pole diameter)
- Phillips #2 screwdriver
- Hex driver or impact driver
- Wire cutters

Technical Specifications

ACTIVATION

ACTIVATION TRIGGER

Automatically activates on customizable sensor thresholds from any combination of COP-R-LOCK and Farmblox sensors.

ACTIVATION TIME

Instant: upon a tamper event the alarm activates within 10 seconds (2 seconds typical).

SIREN VOLUME

106 decibels at 10 ft · 3 m

STROBE LIGHT COLORS

3 x LED red and blue strobe lights

STROBE LIGHT BRIGHTNESS

Red: 46 lumens

Blue: 82 lumens

WIRED CONNECTIVITY

BloxBus

POWER

External

PHYSICAL

WEIGHT

9.5 lbs · 4.3 kg

LENGTH

15.6 in · 39.6 cm

WIDTH

11.3 in · 28.7 cm

WIDTH WITH MOUNTING HARDWARE

13.5 in · 34.3 cm

HEIGHT

5.3 in · 13.5 cm

OUTER MATERIAL

Aluminum

MOUNTING

Pole or wall mount

MOUNTING ORIENTATION

Vertical

CABLE LENGTH

6.4 ft · 2 m

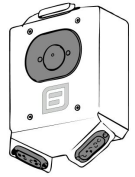
OPERATING TEMPERATURE

-4 to 140 °F · -20 to 60 °C

DURABILITY

Weatherproof design for long-term outdoor deployments

COP-R-LOCK Alarm Installation



Overview

The COP-R-LOCK Alarm provides enhanced security of remote assets with automatic siren and strobe light activation to deter theft in progress. The COP-R-LOCK Alarm can be triggered by the COP-R-LOCK Motion-Distance Sensor, COP-R-LOCK Trigger Sensor, or other sensor.

Key features include:

- **Rapid activation:** Activates within 10 seconds (typically 2 seconds) upon a paired sensor device detecting a potential theft event.
- **Versatile deployment:** Suitable for any field location, protecting a variety of assets, including water pumps, electrical substations, equipment, solar fields, and more.
- **Durable construction:** Weatherproof build for reliable operation in harsh outdoor conditions.
- **Seamless integration:** Connects to the Farmblox Base Station and External Solar Battery Kit for remote, off-grid wireless control and power.

Alarm Orientation

Aim the speaker towards the electrical panel, fence, solar array, or other asset that is being protected which thieves may target.

Installation Steps

1. From the Farmblox App, click the “+” icon in the bottom menu bar, then “Scan” and tap your phone to the NFC Tag on the Alarm. Name the Alarm based on the name of the site at which it’s being installed, and “Save”. This will add the Alarm to the app.
2. Attach the mounting bracket to the rear of the Alarm using the supplied four M6 screws and lock washers.
3. Attach the mating bracket to the mounting pole using two stainless hose clamps. The required hose clamp size depends on the pole diameter.



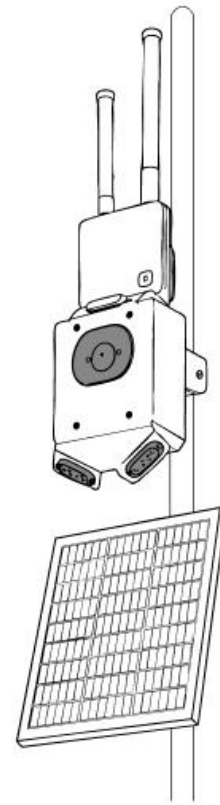
4. Hang the Alarm onto the pole bracket. Install the two supplied M6 Phillips screws to secure both bracket halves together.
5. Pass the Alarm's side of the Alarm 'Y' Cable through the solar panel mounting hoops, and connect it to the Alarm's "Solar Panel" port.
6. In the Alarm box, locate the Alarm Communication Cable which has two connector ends.
7. Plug one end into the Alarm's "Base Station" port, and the other into the Base Station's External Device Port.

Final Installation Check

Confirm that all wires are properly connected and the installation resembles as shown here.

Specifically, verify that the:

- Battery is connected
- Solar panel is connected
- Base Station powers on
- Base Station status LEDs illuminate
- Cellular connection is established (via the status LEDs)
- System appears online in the Farmblox app
- Alarm is able to toggle on through the Farmblox app

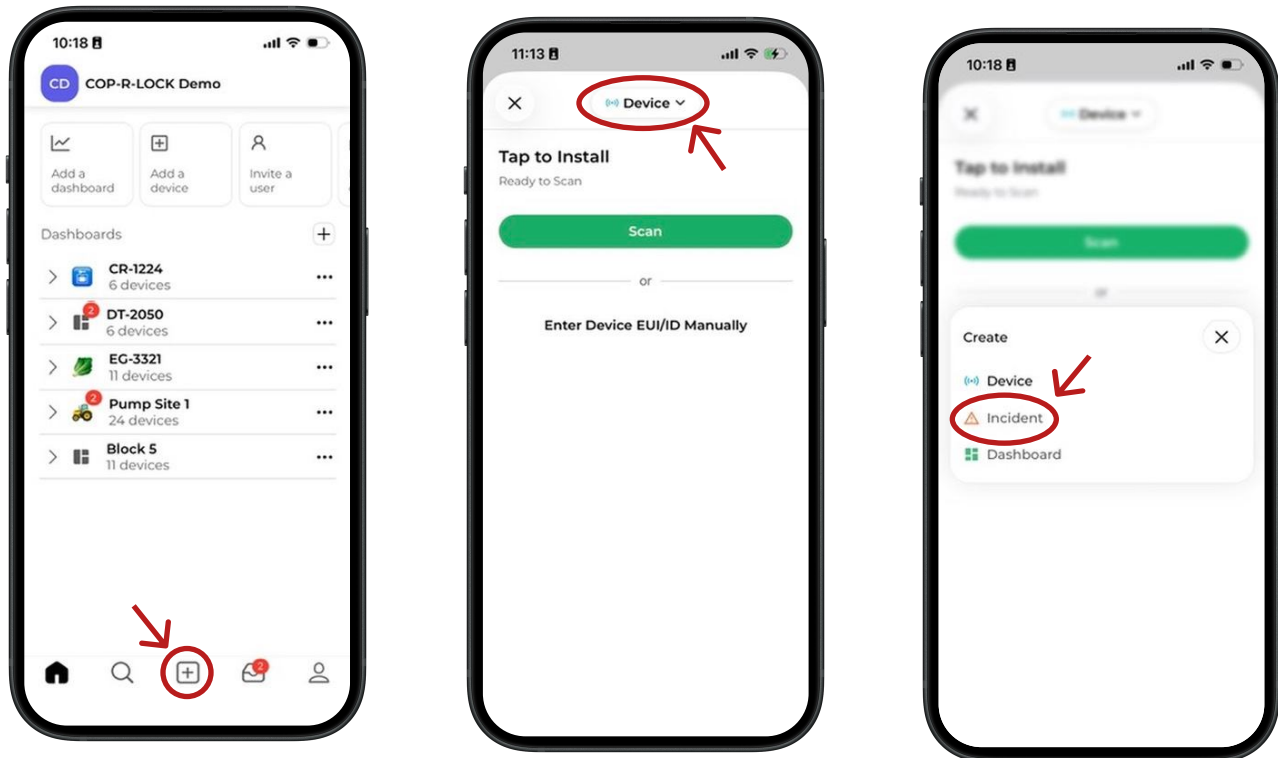


Troubleshooting

Problem	Specification	Solution
Base Station will not power on	Battery disconnected	Verify battery connections
Battery not charging/low battery	Solar panel shaded or not facing south	Remove obstructions or reorient panel
Base Station offline	Poor cellular signal	Verify antenna
Alarm not operating	Wiring issue	Swap alarm cables
Loose equipment	Hose clamps not tightened	Re-tighten hardware

Setting Up Incidents for Automatic Alarm Activation

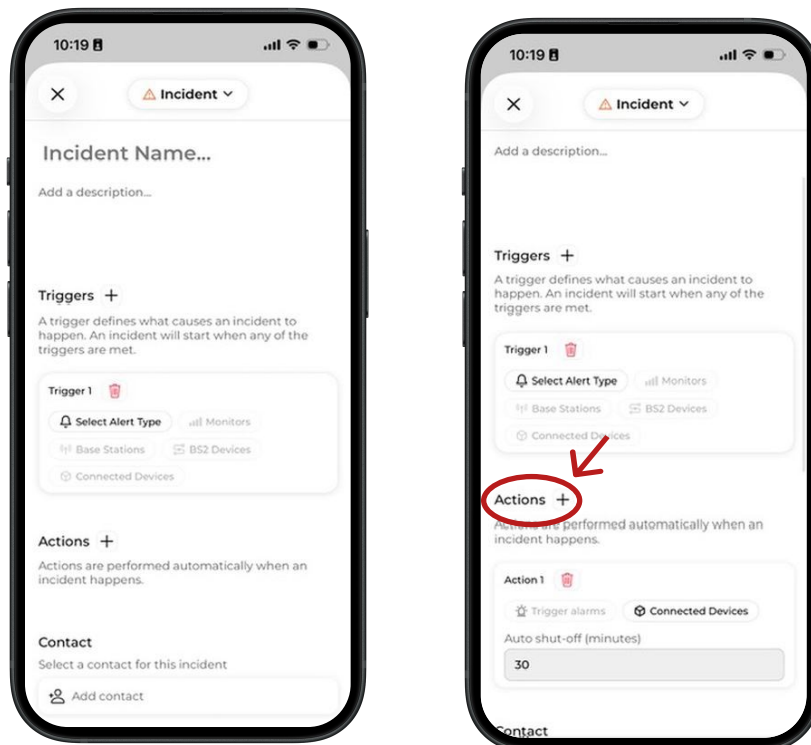
1. From the Home page, select the “+” icon in the bottom menu.
2. Select Incident



3. Configure the incident
 - a. Name:** Use the name of the specific pump location, solar array site, yard, substation or similar. For example “ Theft in Progress Site EG-3321”. You may add icons as well, such as sirens or alarms to make the notification standout.
 - i. Note: Each site should should have its own incident created.**
 - b. Description:** provide the GPS coordinates of the site. This way all who are notified about a theft in progress know where to drive.

Continued on the next page

- a. **Triggers:** select the all conditions to activate the incident.
 - i. If Trigger Sensors are installed, turn on: “Cut detected” and “Sensor unplugged”
 - ii. If Motion-Distance Sensors are installed, turn on: “High Distance” and “Sensor unplugged”
 - b. **Devices:** Select the Universal Monitor(s) installed at that specific site. For example: devices installed at “Site EG-3321”. If any of these devices detect a theft, the incident will be activated.
 - c. **Actions:** Select the COP-R-LOCK Alarm(s) installed at this site. When an incident happens, these alarms will automatically turn on.
 - i. **Auto shut-off:** Keep the default 30 minutes, or confirm with the client on adjusting
 - d. **Contact:** Select a phone contact. If an incident occurs, all automatic notifications will include their name and phone number. This helps first responders know who to call.
4. Select **Create Incident** to save and activate the incident.





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Get Help

support@farmblox.com