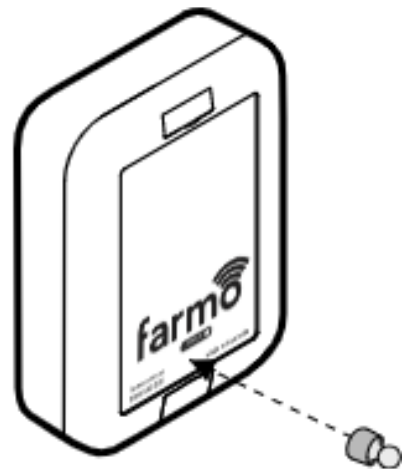# Installation Guide

Electric Fence Sensor LoraWAN

The Farmo Electric Fence Sensor can be placed anywhere on your electric fence and will report the voltage every four hours. It requires LoRaWAN coverage and the Farmo dashboard to visualise data and set alerts.

Activate the Device

The device ships in a sleep state to save battery and needs to be woken up to start transmitting data. (Tip: activate the device close to your LoRaWan gateway and confirm operation before taking to remote fences)

1. Firstly, make sure that you are within a LoRaWAN coverage area that matches your device specification, in Australia this will be AS923 or AU915.
2. Open your Farmo dashboard by typing **my.farmo.com.au** in your web browser then log in with your username and password.
3. Activate the device by placing a strong magnet in the location shown. The Blue status light will blink slowly six times. When it starts blinking quickly, remove the magnet. Finally the status light will blink Orange and send a join message to the gateway.
4. After 1-2 minutes you should see the first data message arriving in your dashboard.
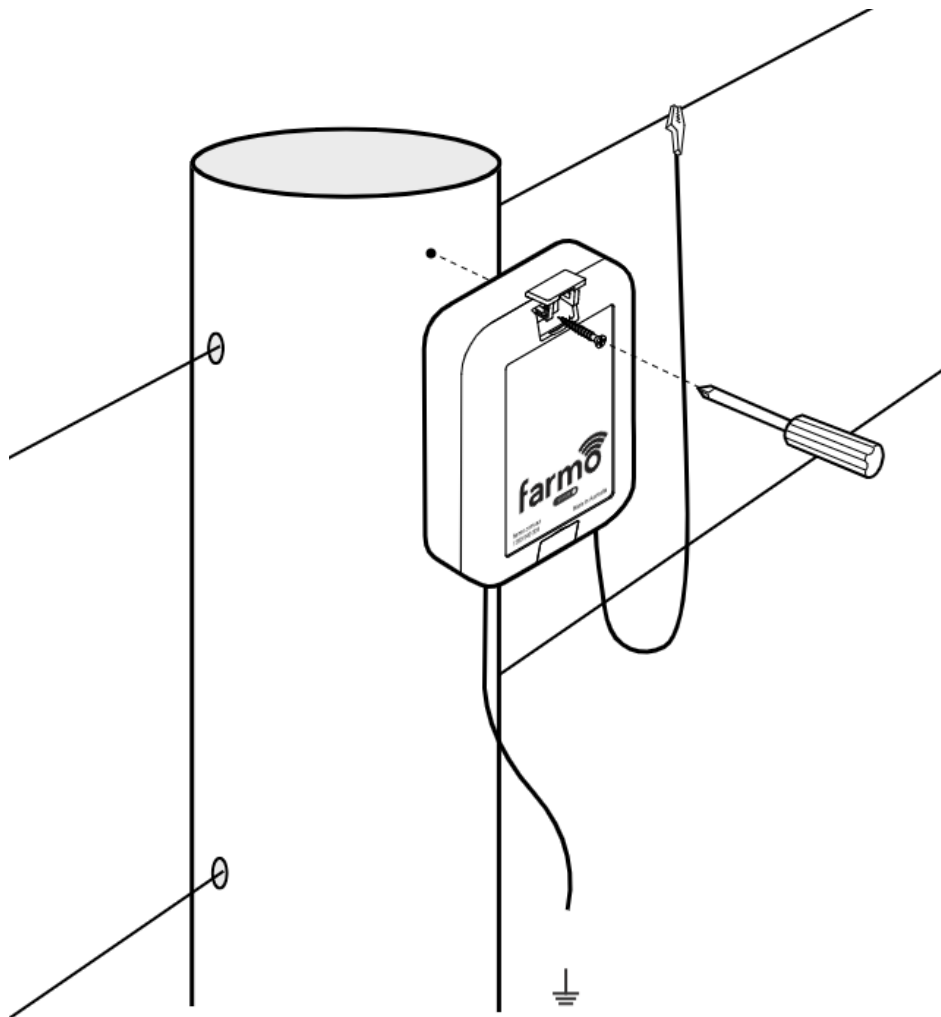
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Installation

1. Turn the electric fence OFF.
2. Attach the device to the post (open tabs to reveal screw holes).
3. Attach the cables to the device, making sure Red > Red, and Black > Black.
4. Attach Red cable to hot wire, and Black cable to an earth wire.
5. Turn the electric fence back ON.

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Battery Replacement

The device is fitted with two 3500mAHr Lithium Thionyl Chloride batteries that will last more than 1 year under normal operation. The battery status can be monitored on the dashboard, and when it expires, please order a new battery from Farmo and follow the installation instructions for the replacement procedure.

Troubleshooting

If you are not receiving any data from your device please check:

1. Is the Gateway working? Check that other devices nearby are transmitting data.
2. Are you close enough to the Gateway to receive coverage? Try activating the device closer to the Gateway and confirming everything is ok, before moving to the more distant location.
3. Is the Gateway and Device on the same frequency band? If the Gateway is AS923 check the device is AS923. Alternatively if the Gateway is AU915, check the device is AU915.
4. Is the Device activated? Repeat the activation process after a few minutes.

If you are receiving data but it doesn't seem right:

1. Check the cables are attached to the matching colour connector on the device.
2. Check the fence is ON.
3. Check the earth wire is earthed.

If you are having problems don't hesitate to give us a call.