

MOCREO®

ST5 Temperature Sensors Kit

User Manual

Introduction

- With 4.9ft waterproof external probe for extreme conditions, which can detect and record ambient temperature in real-time.
- Detectable Temperature Range: -40°F ~ 221°F.
- Three Alarm Methods: E-Mail Alert, App Push Notification, Hub Beeping.
- ST5 Sensor is suitable for refrigerator/freezer, hot tub, fish tank, pet cage, or other scenes.
- Take the example of monitoring the temperature of freezer. Please place the ST5 Sensor's Data Logger outside the freezer and place the probe inside the freezer to ensure that they are reliable.

1

How the System Works

The ST5 Sensors use Bluetooth LE to communicate with the Hub. Therefore, the distance are limited to a Bluetooth range centered on the Hub(e.g., around the house). This range is affected by distance and obstacles such as walls, windows, water, radio interference,

2

etc. In short, longer distances and more obstacles mean weaker signals. The MOCREO Hub uses a Wi-Fi (2.4GHz only) or Ethernet to transmit data from the MOCREO Sensors in range to the Internet. A cellular hotspot with Wi-Fi or Ethernet capability can also be used to provide Internet access. Then, the MOCREO App can be used to view your device data from anywhere in the world.

3

What's in the Box

Hub(H1B) x 1

Antenna x 1

Power Adapter x 1

5V 1A Power Cable x 1

Pin Clip x 1

Main Unit x n

1.5m Sensor Probe x n

Adhesive x n

Micro USB Cable x 1

Probe/Cable Clip x 2n

Note:  
For 1 Sensor Kit: n=1  
For 2 Sensor Kits: n=2  
For 3 Sensor Kits: n=3

4

Product Parameter

(1) Temperature Sensor

Data Logger

Inductive Probe

3.5mm Male Plug

Sensor Probe

5

(2) Hub

Indicator Light

Setup Button

Wall Mount Holes

5V Power Input

LAN Port

Factory Reset Button

PAN Antenna

6

Setup

1 Download MOCREO Sensor App

Search "MOCREO Sensor" on Google Play/ App Store or scan the QR Code below to download the MOCREO Sensor App and register a MOCREO account on the App (MOCREO will send you a confirmation Email, click on the confirmation to complete the registration)

Google Play

App Store

MOCREO Sensor App

7

2 Setup Tutorial

Please scan the QR code below to watch the setup tutorial.

3 Turn on the Bluetooth

Make sure the Bluetooth is ON during the whole setup process.

8

4 Add a Hub

Power up the Hub, Open the MOCREO App, log into your MOCREO account. Tap the [+] Button at the upper right of the MOCREO Home Page to add a Hub, and select the type of network connection, here is an example of Wi-Fi connction.

**Tips:** If you are using Ethernet to add a Hub, please refer to the "Customer Service" of this manual (Page 13) and scan the FAQ QR code to get the setup method.

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Installation

1. Please place the Hub at a relatively high position. The suggested distance between the Hub and Sensor is within 131ft (No obstacles, signal value stronger than 20% is ideal).

2. Please make sure the Sensor probe was inserted firmly (Note: ST5 probe is waterproof but the Sensor Data Logger is not).

3. Paste the Data Logger on the outside of refrigerator and place the probe inside.

11

FCC Statement

FCC ID (Sensor) : 2A36D-ST4  
FCC ID (Hub) : 2A36D-H1  
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference.  
(2) This device must accept any interference received, including interference that may cause undesired operation.  
**Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.  
**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
• Reorient or relocate the receiving antenna.  
• Increase the separation between the equipment and receiver.  
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
• Consult the dealer or an experienced radio/TV technician for help.

12

Warranty

MOCREO products enjoy a 12-Month limited warranty (start from the date when customer receives the product), which applies only to hardware components of the device that are not subject to accident, misuse, neglect, fire, or other external causes, alterations, repair.

Customer Service

<https://mocreo.com/doc/manual/support/faq.html>

[+1 \(530\) 988-8608](tel:+15309888608)

[contact@mocreo.com](mailto:contact@mocreo.com)

[MOCREO Sensor](#)

Search [ MOCREO Sensor ] on YouTube to watch the setup video tutorials

Disclaimer

The contents about how to use the product and the App guidance are only for reference, please refer to the actual situation for specific application. If there is something differs from the instruction during using the product, please contact MOCREO Support for updates. This product is for detecting and monitoring only, MOCREO is not responsible for any property damage or other consequences of the use of this product.

13

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