SANMINA®

Sanmina IoT Custom Wireless Temperature and Humidity Sensor Instructions For Use

Model: 1006010

FCC ID: 2AMS3WBOX1

FCC Notice

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, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by Sanmina for compliance could void the user's authority to operate this equipment.

- Clean with a moist cloth.
- Do not immerse in water. Not dishwasher-safe.

1   Command Activation using the Button

The command to be executed based on a specific press sequence using the button on the device. The list of available commands is:

Command Name	Activation Instructions
Check Network Status	One short press on the button
Join LoRa Network	One long press on the button

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Factory Reset	Five short presses on the button

1.1 Short Press

A short press is detected when the button is depressed and released within three seconds. If the button is not depressed after releasing within ½ second, the number of short presses is recorded and the appropriate command is executed. If no command utilizes the specified amount of presses, the presses are ignored.

1.2 Long Press

A long press is detected when the button is depressed and not released within three seconds.

2 Command Descriptions

2.1 Button Press

On any button press, the Green LED on the device will activate to confirm to the user that the button is successfully activated. The Green LED deactivates when the button is released or when a long press is detected. The button press LED behavior is secondary to the command LED in the case they conflict.

2.2 Check Network Status

A single LED will flash the LoRa Network Join Status: Green LED means that the LoRa network is joined and we are broadcasting measurements; Red LED means that we have not yet joined the LoRa network.

2.3 Join LoRa Network

The device will broadcast a Join-Request LoRa packet and attempt to join the LoRa network. While attempting to join, we will rebroadcast 5-7 times if we do not receive a Join-Accept response from the network server. While attempting to join, we will flash a Red LED for approximately ¼ second every 5 seconds until we join, at which point the Green LED will stay on for approximately 5 seconds. Once the network is joined, we begin taking and broadcasting measurements every 10 minutes, as configured.

2.4 Factory Reset

The device will display a 5 second steady flash from the Green LED. All factory default settings will be loaded into non-volatile memory and the device will reboot. This will require it to rejoin the network using the Join LoRa Network command before it will broadcast measurements again.