User Manual

DS4028_WS4SC

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Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

IMPORTANT NOTE:
Radiation Exposure Statement:
The product comply with the US portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Introduction

DS4028ST Device is a container tracker with Sigfox. Powering on, the device will spend 5 minutes scanning the Sigfox Monarch signal in order to identify the current geographical zone. It will collect environmental data and send it out periodically with Sigfox. The collected data is such as temperature and humidity. The device can be known where it is through the location of the Sigfox radio station. The device uses the pressure sensor to identify whether the device is going up/down by the crane in the harbor, then a Craning event will be sent. The period of data uploading is configurable. The device downloads the configuration periodically.

Below is the default configuration for the period of the data.

- Monarch scanning is performed every two days.

- Configuration is updated every two days.

- The GEOLOC event is sent every two hours.

- The TEMP_HUM event is sent event every 12 hours.

- The threshold for the pressure is 75 Pa.

Button and LED

How to Power On the Device

Long press the **Power Button** over 5 seconds until the **White** LED is flashing.

How to Power Off the Device

Long press the **Power Button** over 5 seconds until the **Red** LED is flashing.

How to Reset the Device

Press the **User Button** and the **Power Button** together.

How to install the Device

The full pack includes 2 magnet sets to be locked via screw hole and absorb onto any metal surface users want. Suggested installation height: <2M