IoT Device (CST-G001)

Manual

Contents

1. OVERVIEW

- CST-G001 is a device installed at the entrance and top of the wall of each floor of the building.
- CST-G001 checks the surrounding noise real-time and passes the detected dB value and detection angle
  information to CST-N001.
- Subsequently, evacuation information is received from CST-N001 and evacuation direction is notified
  and broadcast to minimize casualties.
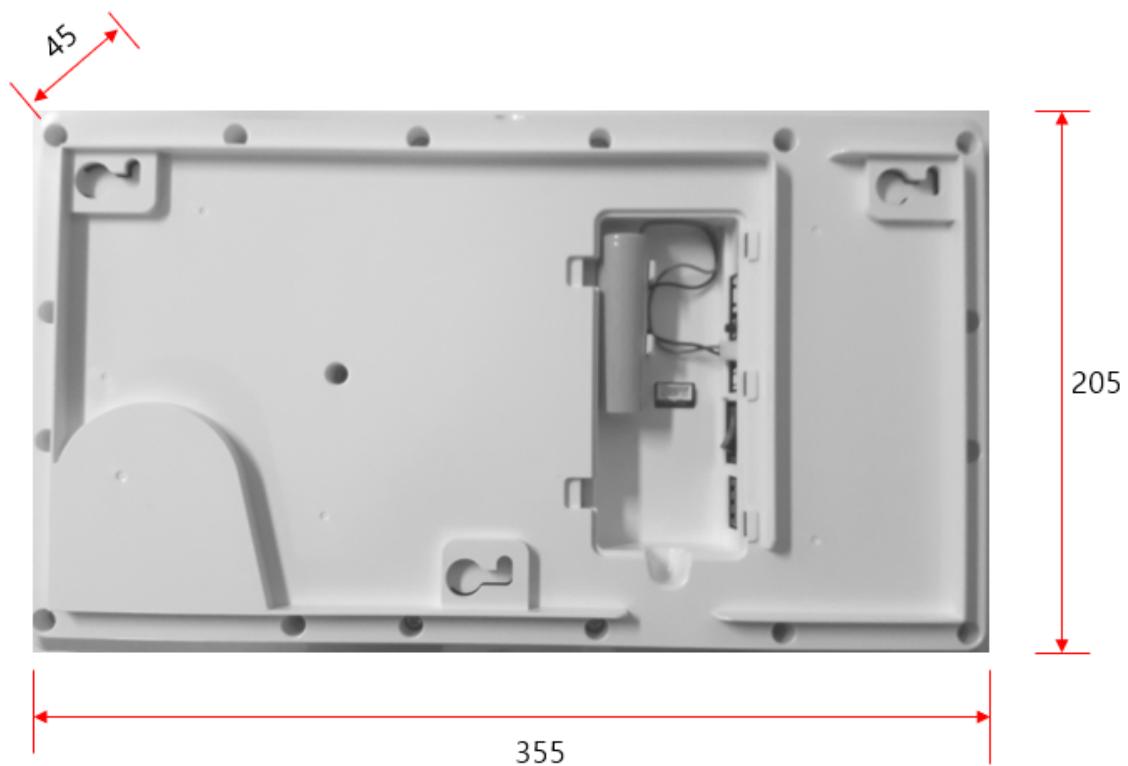
Specification

Parameter	Description
CPU	STM32L100RB,ARM 32-bit Cortex™-M3, 128Kbytes Flash memory
RF	LoRa™ long range modem,900MHz
Audio	PCM방식, Sample Rate 22kHz,16bit mono, 3W
LED Beam	White LED
LED	Green, Red LED
Gun Sensor	ARM9, 32bit RESC Core
Mic	Mic * 2
Power	Input : AC 120V /60Hz
Battery	3.7V 2600mA
Operation Temperature	-20 ~ 70 ℃
LED (Ready)	Green LED
Reset Switch	Short key=Test, Long Key(Factory)
Dimensions	355(W) x 45(L) x 255(H)mm
Weight	1,400 g

2. INSTALLATION

Introduce the installation method of CST-G001

2.1 Connection Guide

- CST-G001 is a LoRa-based wireless equipment designed to be installed with factory default values.
  No setup work is required when installing. (Setups change settings remotely through CST-N001.)

2.2 First-Time Power On

- Power SW on the back of the product should be off.
- Always connect 120V of power to the AC connector on the back of the product.
- Power SW on.
- Check for RDY LED blinks in the upper right corner of the product.

3. FCC Statement

This device complies with part 15 of FCC Rules. Operation is subject to the following two condition: (1)This Device may not cause harmful, and (2)This device must accept any interface received, including interface that may cause undesired operation.

Any changes or modifications (including the antenna) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

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.

Model : CST-G001
Procuct : IntelEvac Station
Manufacturer : Corners Co.Ltd
Power : AC120V, 60Hz 1A
FCC ID : 2AVFH-CSTG001