

GATEWAY



Third Coast Company universal wireless gateway, getting data from transmitters to a head-end application via USB interface.

Product Features

- Bright LEDs indicate USB communication, wireless connection and working
- A secure and managed link between the receiver and the application to maintain system integrity.

Product Specifications

Weight: 300 g

Size: 150x150x31 mm

Power Requirement: 10-24VDC, 12-24 ACV, 70 mA(12VDC)

Frequency: 902-928 MHz, LORA (Chirp Spread Spectrum (CSS))

Operating Temperature: 32°F to 140°F (5°C to 50°C)

Operating Humidity: Up to 90% (non-condensing)

Market: North America, Australia, New Zealand

Dimensions

1. Overview

In an emergency nurse call system, the gateway serves as the central communication hub. It receives call signals from end devices (such as pendants, pullcords, and repeaters) and transmits them to the nurse station or central control software. Similarly, it relays commands from the control center back to the end devices. The gateway supports various communication protocols to ensure reliable, fast, and seamless data exchange. Additionally, it continuously monitors the system's connectivity, generates alerts when necessary, and optimizes overall system performance.

The gateway system requires weekly testing to verify its functionality. To perform the test, switch the system to test mode, trigger an end device, and confirm that it responds correctly.

2. Installation and Startup

a. Installation Notes

- These devices are intended to be serviced by qualified technicians only.
- The products are designed exclusively for indoor applications.
- All devices must comply with these handling instructions.

3. Operate the Transmitter

- The device sends a heartbeat signal every 60 seconds. If no signal is received within 70 seconds, please check the device.
- The device filters the incoming data and sends only one piece of data via USB.
- Please contact The Third Coast company for the device's communication protocol.

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.

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement, The device can be used in portable exposure condition without restriction. Federal Communication Commission (FCC) Radiation Exposure Statement Power is so low that no RF exposure calculation is needed.