

## WIRELESS IO CONTROLLER

The single or dual push buttons can be used as panic buttons, PERS, remote control, customer call buttons, or for other remote push button applications. Versions of the sensor support the major LPWAN standards such as Sigfox, LoRa/LoRaWAN, and NBloT.

### OVERVIEW:

Controlledcare I/O Modules are Long Range LoRa I/O Controller. It contains different I/O Interfaces such as: analog current input, analog voltage input, relay output, digital input and digital output etc. The LT I/O Modules are designed to simplify the installation of I/O monitoring.

The LT I/O Controllers allows the user to send data and reach extremely long ranges. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimising current consumption. It targets professional wireless sensor network applications such as irrigation systems, smart metering, smart cities, smartphone detection, building automation, and so on.

The LT I/O Controllers is aiming to provide an easy and low cost installation by using LoRa wireless technology



#### APPLICATIONS

- Panic or emergency alert
- Silent alarm for hospitality employees
- Silent alarm for retail counters and gas stations
- Security guard alert
- Remote control
- Customer call button
- Personal Emergency Response (PERS) for seniors and healthcare facilities

#### CONTROLLED CARE SYSTEMS

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#### FEATURES

- Built-in radio that talks directly with the wireless network\*. Standards include:
  - Sigfox®
  - LoRa®/LoRaWAN™
  - NBloT
- Two types of tamper detection: enclosure tamper and wall mount tamper
  - Enclosure tamper detects if the packaging of the sensor itself is opened or broken
- 20,000-200,000+ transmissions on a single battery and a 5-10 year battery life depending on usage
- User replaceable battery
- Fully integrated internal antenna
- Over the air sensor configuration in the field
- Automatic low battery reporting and supervisory (sensor health) reporting