

LoRa Panic Button with Confirmation

OVERVIEW

The purpose of installing a LoRa based Panic Button Security Solution on the premise is to:

- Emergency Alarm with Acknowledgement
- Notify Responders in real time
- Over 70,000 alarms before replacing batteries
- Seek instant Assistance

KEY FEATURES

- Over 8 years Battery Life
- Dust- and Waterproof enclosure
- Accidental Push Protection
- Built-In Confirmation Alarm
- Alarm message on Button Press
- Regular Heartbeat with Battery Status
- Secure Data Transmission
- Configurable in real-time with OTA Commands

SPECIFICATIONS

Model No.	MTC-PB01, 02
Enclosure Size	95 x 95 x 40 mm
Net Weight	184 g
Ingress Protection	IP67
Operating Temperature	-18°C to +55°C
RF Output	14 dBm
SF Supported	7 – 12

LoRa Frequency	EU863-870 (CE-Certified) IN865-867 (ETA-Certified) US902-928 AU915-928 AS923 -1, -2, -3, -4 KR920-923
OTAA and ADR	Compliant
Voltage	3V (2 x AA Battery)
Battery Life	Over 8 years (Alkaline Battery) Over 10 years (Lithium Energizer Battery)

MUTELCOR 



APPLICATIONS

- Educational Institutions
- Villas & Apartments
- Manufacturing Units
- Shopping Malls
- Hotels
- Hospitals
- Airports
- Banks
- Museums



LoRa Panic Button with Confirmation

FUNCTIONALITY



In case of an emergency, press the Button

- Device sends a wireless Alarm message over LoRa
- LED starts flashing **RED** and/or Buzzer starts beeping
- Device sends multiple Alarm messages for enhanced robustness
- Device awaits for an Alarm response from Backend Application

CONFIRMATION-FUNCTIONALITY



If Alarm response is received

- LED glows **YELLOW** (MTC-PB01)
- LED glows **GREEN** (MTC-PB02)
- Buzzer stops beeping

If Alarm response is not received

- LED starts flickering in **RED**
- Buzzer starts alarming rapidly

Configurable Parameters in case of received or missed Alarm response



- | | |
|---|------------------------------------|
| ➤ LED Color (None, RED , YELLOW , GREEN *) | ➤ Buzzer (Constant, Toggling, OFF) |
| ➤ LED Behavior (Constant, Flashing, Flickering, OFF) | ➤ Buzzer Active Time |
| ➤ LED Active Time | ➤ Response Waiting Time |

VARIANT PANIC BUTTON-OPTIONS

- **Standard Model** (MTC-PB01) comes with Red Lens and LED color to glow **YELLOW** / **RED**
- **3-Color Model** (MTC-PB02) comes with White Lens and LED color to glow **GREEN** / **YELLOW** / **RED**



*Only with MTC-PB02

