

LoRa Panic Button with Confirmation

OVERVIEW

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

- Raise Alarm in real time
- Emergency Alarm with Acknowledgement
- Notify Responders
- Seek instant Assistance

KEY FEATURES

- 5 Years Battery Life
- Dust- and Waterproof
- 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
Battery Life	5 Years

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APPLICATION

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

LoRa Frequency	EU863-870 (CE-Certified) IN865-867 (ETA-Certified) US902-928 AU915-928 AS923 -1, -2, -3, -4 KR920-923
SF Supported	7 - 12
OTAA and ADR	Compliant
Voltage	3V (2 x AA-Alkaline Battery)

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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***)
- LED Behavior (Constant, Flashing, Flickering, OFF)
- LED Active Time
- Buzzer (Constant, Toggling, OFF)
- Buzzer 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

