LoRa PANIC BUTTON with Confirmation

MUTELCOR

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
- Inbuilt Confirmation Alarm
- Alarm message on Button Press
- Regular Heartbeat with Battery Status
- Secure Data Transmission
- Configurable in real-time with OTA Commands

APPLICATION

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

SPECIFICATIONS

Model No.	MTC-PB01 / MTC-PB02	**LoRa Frequency**	EU863-870 (CE-Certified) IN865-867 (ETA-Certified) US902-928 AU915-928 AS923 -1, -2, -3, -4 KR920-923
Enclosure Size	95 x 95 x 40 mm		
Net Weight	184 g		
Ingress Protection	IP67		
Operating Temperature	-18°C to +55°C	**SF Supported**	7 – 12
RF Output	14 dBm	**OTAA and ADR**	Compliant
Battery Life	5 Years	**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