

LoRa ALARM UNIT

OVERVIEW

The purpose of installing a LoRa based Alarm Unit on the premise is to:

- Show Emergency Alarm
- Show Alerts triggered from any backend application
- Alerts received as downlink messages over LoRa

KEY FEATURES

- Configurable via OTA over LoRa
- Multi-color LEDs (RED/YELLOW/GREEN) Alerts
- Buzzer Siren on Alerts received
- LED-Button to manually stop the Alarm
- Class A Device with Secure Data Transmission
- Power run or optionally with battery

SPECIFICATIONS

Model No	MTC-AU01
Enclosure Size	95 x 95 x 55 mm
Net Weight	150 g
Ingress Protection	IP30
Operating Temperature	-40°C to +85°C
Voltage	220V with 3.3V DC and 1A

LoRa Frequency	EU 863-870 MHz (CE-Certified) IN 865-867 MHz (ETA-Certified) US 902-928 MHz AU 915-928 MHz AS 923 MHz KR 920-923 MHz
SF Supported	7 - 12
OTAA and ADR	Compliant
RF Output	20 dBm

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APPLICATION

- Control Rooms
- Manufacturing Units
- Villas/Apartments
- Commercial Complex
- Seniorresidences
- Offices
- Hospitals
- Shopping Malls

LoRa ALARM UNIT

ALARM UNIT FUNCTIONALITY

- Always on Indication: Green LED indicates power status
- Alarms are triggered by LoRa downlink messages
- LED Button-press stops Alarm locally and sends confirmation via LoRa
- Regular heartbeat via LoRa to indicate connectivity status

ALARM UNIT BEHAVIOR



- **Up to 4 Alarm-Types can be configured on the Device, based on the following parameters:**
 - LED Color (Green, Yellow or Red)
 - LED Behavior (OFF, ON, Flashing)
 - Buzzer Sound (OFF, ON, Beep)
 - Alarm Time Duration

Each configured Alarm-Type is triggered by a specific LoRa Downlink message. Each Alarm-Type can be used to indicate different scenarios e.g. Alarm raised due to Panic Button Press, Temperature/ Humidity/CO2 Threshold exceeded, etc.

