LoRa Alarm Unit - Class C

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
- Multiple Alarm & LED Patterns can be configured

KEY FEATURES

- Configurable via OTA over LoRa
- 75 dB Buzzer Siren on Alerts received
- Multi-color LED Alerts
- LED-Button to manually stop the Alarm
- **Class C Device** with Secure Data Transmission
- **Power run** including power adapter
- Available with

  Red Lens MTC-AU01 (**Red / Yellow LED**)

  White Lens MTC-AU03 (**Multicolor LED**)

APPLICATIONS

- Control Rooms
- Manufacturing Units
- Villas & Apartments
- Commercial Complexes
- Senior Residences
- Offices
- Hospitals
- Shopping Malls
- Museums

SPECIFICATIONS

Model No.	MTC-AU01, 03
Enclosure Size	95 x 95 x 40 mm
Net Weight	150 g
Ingress Protection	IP30
OTAA and ADR	Compliant
RF Output	14 dBm
Operating Temperature	-18°C to +55°C

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
Voltage	100 - 240V AC / 3.3V DC, 1A (Power Adapter included)

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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 uplink 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**, **RED)**
  - Customizable **multicolor** option
  - 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/CO_2 Threshold exceeded, etc.

* Only with MTC-AU03