

# LoRa Siren Unit

## OVERVIEW

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

- Loud Siren Alarm in real time
- Show Alerts triggered from any backend application
- Alerts received as downlink messages over LoRa
- Multiple Siren & LED Patterns can be configured

## KEY FEATURES

- **Class C Device** with Secure Data Transmission
- **110 dB** Siren on Alerts received
- Multi-color LED Alerts
- Configurable via OTA over LoRa
- LED-Button to manually stop the Alarm
- **Power run** including power adapter
- Available with
  - Red Lens MTC-SU01 (**Red / Yellow LED**)
  - White Lens MTC-SU02 (**Multicolor LED**)

## SPECIFICATIONS

Model No.	MTC-SU01,02
Enclosure Size	180 x 80 x 48 mm
Net Weight	350 g
Ingress Protection	IP30
OTAA and ADR	Compliant
RF Output	14 dBm

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## APPLICATIONS

- Control Rooms
- Manufacturing Units
- Villas & Apartments
- Commercial Complexes
- Senior Residences
- Offices
- Hospitals
- Shopping Malls
- 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
Voltage	100 - 240V AC / 3.3V DC, 1A (Power Adapter included)
Operating Temperature	-18°C to +55°C



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## SIREN 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 Siren 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 Siren Alarm-Type is triggered by a specific LoRa Downlink message
- Each Siren Alarm-Type can be used to indicate different scenarios e.g. Alarm raised due to Panic Button Press, Temperature/ Humidity/CO<sub>2</sub> Threshold exceeded, etc.



\* Only with MTC-SU02

