



 Battery included

Description

MClimate Multipurpose Button LoRaWAN® is a simple device with many applications. Featuring a single button with 3 types of clicks and a temperature sensor, only your imagination limits what happens when the customer presses the button.

SKU: MC-LW-BTN-01

Product features

- Button with 3 click types (single, double and triple)
- Temperature sensor
- Ultra-low power consumption

Applications

- Smart Buildings
- Smart home
- Residential buildings
- Commercial buildings

Device specifications

Mechanical specifications

| | |
|----------------------|------------|
| WEIGHT EXCL. BATTERY | 26gr |
| DIMENSIONS | 72x42x18mm |
| ENCLOSURE | ABS |

Operating conditions

| | |
|-------------|---------------------------|
| TEMPERATURE | 0 - +50°C |
| HUMIDITY | 0-80% RH (non-condensing) |

Power supply

| | |
|-----------------------|---|
| BATTERY TYPE | ER10280 (included in the device) |
| OPERATING VOLTAGE | 3VDC |
| EXPECTED BATTERY LIFE | < 10 years (depending on configuration and environment) |

Radio/Wireless

| | |
|----------------------------|---|
| WIRELESS TECHNOLOGY | LoRaWAN® 1.0.3 |
| WIRELESS SECURITY | LoRaWAN® End-to-End encryption (AES-CTR) |
| LORAWAN DEVICE TYPE | Class A End-device |
| SUPPORTED LORAWAN FEATURES | OTAA, ADR, Adaptive Channels setup |
| SUPPORTED LORAWAN REGIONS | EU863 – 870; Other LoRaWAN regional settings available upon request |
| LINK BUDGET | 130dB |
| RF TRANSMIT POWER | 14dB |

Data types

| KEEPALIVE | TYPE | VALUE | VALUE NAME | DATA SIZE | NOTES |
|-----------|------|-------|--|-----------|---|
| | | 0x00 | Reason to send message | 1 | Possible reasons: Keepalive; Button press |
| | | 0x01 | Battery voltage | 1 | |
| | | 0x02 | Temperature | 2 | |
| | | 0x04 | Button press type - single, double or triple press | 1 | |

LIST OF FUNCTIONS FROM THE PROTOCOL DOCUMENTATION

Read/Write up-link messages types
 Read/Write keepalive period
 Read/Write communication watch-dog parameters
 Read device firmware and hardware version
 Read/Write network join-retry period

Sensors

Temperature

| | |
|------------|--------|
| RESOLUTION | 0,1°C |
| ACCURACY | ±1.5°C |