Multipurpose button

by MClimate

LoRaWAN

7.2 cm

4.2 cm   -1.8 cm-

🔋 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	71x41x18mm
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)

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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	±0,5°C

We make any building smart.

www.mclimate.eu