

SELF-POWERED

Wireless Light Switch

- No battery required
- Bluetooth technology
- Easy to install and use
- Wall mounted or remote

Features and benefits

The switch transmitter modules are self powered (no batteries) and fully maintenance free. They can therefore be used in all environments including locations that are difficult to reach or within hermetically sealed housings.

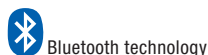
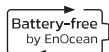
The switch contains an electro-dynamic energy transducer. Radio telegrams are protected with AES-128 (CBC) security based on a device unique private key.

The switch provides an NFC interface according to ISO 14443 for configuration.



Specifications

Antenna	Integrated PCB antenna
Radio Standard	2.4GHz / BLE (Advertising Mode)
Radio Channel	BLE Channels 37, 38 and 39 (Advertising Channels)
Device Identification	Individual 48 Bit Device ID (factory programmed)
Device Configuration	NFC (ISO 14443)
Security	AES128 (CBC) authentication with Sequence Counter
Transmission Range	Typ. 100 m free field / 10 m indoor
Power Supply	Integrated Kinetic Energy Harvester
Energy Bow Travel / Force	1.8 mm / typ. 10 N (at room temperature)
Button Inputs	Up to four buttons or two rockers
Number of operations at 25 °C	Typ. 100.000 (tested according to EN 60669 / VDE 0632)
Module Dimensions	86.0 x 86.0 x 12.91 mm
Operating Temperature	-25 °C - 65 °C
Planned Radio Certifications	R&TTE (Europe) / FCC (US) / IC (Canada)



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