Easyfit Bluetooth

Single/Double Rocker Switches

Easyfit Bluetooth Single / Double Rocker wall switch (EWDDB / EWSDB) are universal harvesting wireless switches in the European 55 x 55 form factor.

EWSSB and EWSDB are transmitting the button status based on the 2.4 GHz Bluetooth Low Energy (BLE) radio standard.

EWSSB and EWSDB are based on the maintenance free, self-powered Bluetooth Low Energy (BLE) pushbutton transmitter module PTM215B

The PTM 215B module within EWSSB and EWSDB contains an electro-dynamic energy transducer which is actuated by the rocker movement.

Whenever a rocker is pushed down or released, electrical energy is created and a set of BLE advertising frames is transmitted identifying the rocker status.

"Long or Short" rocker press (the time between pushing and releasing the rocker) can be calculated by the receiver. This enables switching, dimming control or jalousie control including slat action.

Feature Overview

Radio Transmitter	PTM 215B pushbutton module with integrated antenna
Energy Source	Electro-dynamic energy generator, maintenance free
Frequency / Protocol	2.4 GHz / Bluetooth Low Energy (BLE)
Range	Within one room (up to 10 m line of sight)
Channels	2 or 4 (single or double rocker with medial position, pressed/released)
Dimensions of Rocker	50 x 50 mm
Dimensions of Frame Insert	55 x 55 mm
Dimensions of Central Plate	71 x 71 mm
Dimensions of Frame	81 x 81 mm
Total Installation Height	14 mm (frame lies directly against the wall)
Mounting	Gluing (double-sided mounting film enclosed), Screwing onto flat surface
Operating conditions	Temperature: -25 ... +65°C Humidity: 0 ... 95% r.h., non-condensing (dry environment only)
Lifetime	> 50.000 actuations (switching cycles) according to EN 60669 / VDE 0632
Approvals	RED, FCC, ISED, ACMA
Packaging	Each unit packed in a bag, 10 units packed in a card box