Easyfit Bluetooth® Single / Double Rocker Wall Switch EWSSB / EWSDB

Easyfit Bluetooth® Single / Double Rocker Wall Switch (EWSSB / EWSDB) are universal energy 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 PTM 215B.

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 (pushed or released).

„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.

The enclosed switch frame can be replaced by frames of the following design programs:

Manufacturer	Product Program
BERKER	S.1, B.1, B.3, B.7 Glas
GIRA	Standard 55, E2, E3, Event, Esprit, ClassiX
Jäger Direkt	Opus 55 Inform, Opus 55 Kubus, Opus 55 Fusion
JUNG	AS 500, A 500, A plus, A creation, A creation Glas
MERTEN	1-M, M-Smart, M-Arc, M-Plan, M-Creativ, M-Pure

Ordering Information

TYPE	ORDERING CODE
Single Wall Switch EWSSB	E8221-A270
Double Wall Switch EWSDB	E8221-A280

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