

Easyfit Wall Switch Single / Double Rocker for BLE

EWSSB / EWSDB

Easyfit Wall Switch Single / Double Rocker for BLE (EWSSB / EWSDB) are universal energy harvesting wireless switches for systems communicating based on the 2.4 GHz BLE (Bluetooth Low Energy) radio standard.

They are based on the maintenance free, self-powered BLE pushbutton transmitter module PTM 215B and delivered as single rocker (EWSSB) and double rocker (EWSDB) variants using the European 55 x 55 form factor.

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	S1, B1, B3, B7 Glas
GIRA	Standard55, E2, Event, Esprit
Jäger Direkt	Opus Inform, Kubus, Fusion
JUNG	A500, Aplus
MERTEN	M-Smart, M-Arc, M-Plan

Ordering Information

TYPE

Single Wall Switch EWSSB
Double Wall Switch EWSDB

ORDERING CODE

E8221-A270
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	CE, FCC, IC
Packaging	Each unit packed in a bag, 10 units packed in a card box