EASYFIT
by EnOcean

Easyfit Bluetooth®
Single / Double Rocker Pad

ESRPB / EDRPB

Easyfit Single / Double Rocker Pad for BLE (ESRPB / EDRPB) are universal energy harvesting wireless switches implementing the 2.4 GHz Bluetooth Low Energy (BLE) radio standard.

ESRPB and EDRPB are based on the maintenance free, self-powered Bluetooth Low Energy (BLE) pushbutton transmitter module PTM 216B and delivered as single rocker (ESRPB) and double rocker (EDRPB) variants using the US rocker pad form factor.

The PTM 216B module within ESRPB and EDRPB 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.

Ordering Information

TYPE	ORDERING CODE
Single Rocker Pad ESRPB	**ESRPB-W-EO:DD**
Double Rocker Pad EDRPB	**EDRPB-W-EO:DD**

Feature Overview

Radio Transmitter	PTM 216B 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 15 m line of sight)
Channels	2 or 4 (single or double rocker with medial position, pressed/released)
Size of Single Rocker Pad	4.95" H x 3.21" W x 0.74" D (126mm x 82mm x 19mm)
Size of Double Rocker Pad	4.95" H x 4.52" W x 0.72" D (126mm x 115mm x 18mm)
Weight of Single Rocker Pad	3.9 oz (112g)
Weight of Double Rocker Pad	5.3 oz (150g)
Mounting	Screwing onto flat surface (screws included)
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
Approvals	FCC, IC, ACMA