

## 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 mm 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

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