

## EnOcean EWSDB

### Programmable Bluetooth Wall Switch

- // Bluetooth 4 button user interface for any presets in the Casambi mesh network, each preset determined by programming
- // Energy harvesting technology, wireless and battery-free, rated for 50,000 switching cycles
- // Can provide dimming and colour tuning also
- // Comes with wall bracket and adhesive pad for any surface
- // Connected to Casambi app via NFC



### Construction

Bluetooth Double Rocker Wall Switches are universal energy harvesting wireless switches.

These switches transmit the button status based on the Bluetooth Low Energy radio standard.

The PTM 215B module within the 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 Bluetooth signals are transmitted, identifying the rocker status (pushed or released).

“Long” or “Short” rocker pressing can be calculated by the receiver. This enables switching, dimming control or even the control of slat blinds.

Product Code	Colour	Dimensions
EWSDB	White	81mm x 81mm x 14mm

Technical Specifications	
Radio Transmitter	PTM 215B with integrated antenna
Radio operation frequencies	2.4 GHz / Bluetooth Low Energy (BLE)
Ambient temperature	-25°C to +65°C
Max humidity	0 - 95%, non condensing
Weight	72g
Ingress Protection	IP20

Single rocker switches are also available.

Since the expected transmission range strongly depends on this system conditions, range tests should always be performed to determine the reliably achievable range under the given conditions. The following figures should be treated as a rough guide only:

- Line-of-sight connections: typically 15 m range in corridors, up to 30 m in halls
- Plasterboard walls / dry wood: typically 10 m range, through max. 2 walls
- Ferro concrete walls / ceilings: typically 5 m range, through max. 1 ceiling

### Controls Guide

