

EnOcean Switches (18xx)

The 18xx wireless switch modules are EnOcean-compatible and allow wireless control of a Helvar DALI system.

The switches communicate with the lighting network via a Helvar 434 EnOcean Gateway, which supports up to 20 EnOcean switch panels.

The switches are batteryless, thanks to energy harvesting technology, and are maintenance-free. Energy is generated by pressing the EnOcean button, and a radio signal is sent to the Gateway. Similarly, a radio signal is sent when the button is released, allowing for dimmer and blinds control.

The EnOcean switches are fully programmable in Helvar's Designer or Toolbox software.

Key features

- Choice of single or dual rocker, and black (B) or white (W) panels.
- Self-power: batteryless and wireless
- EnOcean RF technology
- Easy installation:
 - double-sided mounting film (included);
 - screwed onto flat surfaces;
 - back box

Product Order Codes

Stainless steel frame

Single Rocker Switch: 181B (black) / 181W (white)

Dual Rocker Switch: 182B (black) / 182W (white)

Plastic frame

Single Rocker Switch: 183B (black) / 183W (white)

Dual Rocker Switch: 184B (black) / 184W (white)



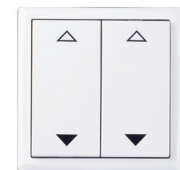
181W



182B

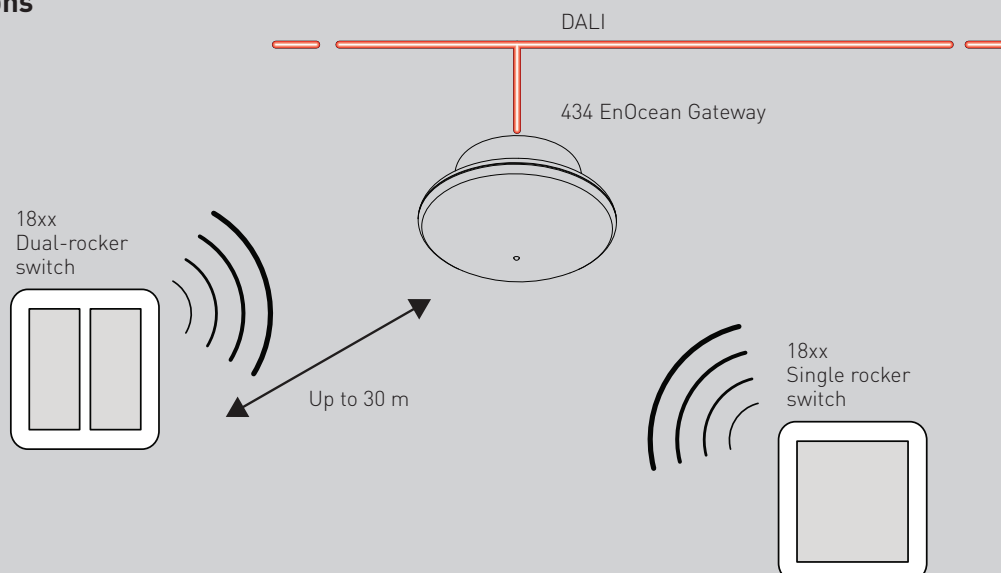


183B



184W

Connections



Technical Data

Connections

No wiring (power or communications) is required

Power

Signal power is generated by pressing the EnOcean button

Operation

Operating frequency: 868 MHz ISM band (Europe)

Range: 30 m (unobstructed space)

Maximum number of switch panels per gateway: 20

Mechanical data

Dimensions: 86 mm × 86 mm × 15 mm

Weight: 150 g

Switch colour: 18xW: white
18xB: black

Material: Switch rockers: plastic

Frame: Stainless steel (181 & 182)
Plastic (183 & 184)

Mounting: Mount to back box, or mount on glass or flat surface

IP code: IP30

Operating conditions

Ambient temperature: 0 °C to +50 °C

Relative humidity: Max. 90 %, non-condensing

Storage temperature: -10 °C to +70 °C

Conformity and standards

EMC emission: EN 301489-1

EMC immunity: EN 301489-3

Safety: EN 60950

R & TTE: 1999/5/EC

Wireless protocol: ISO/IEC 14543-3-10

Environment: Complies with WEEE and RoHS directives

Dimensions: 181x; 182x; (183x; 184x)

