

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 battery-less, 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-powered: batteryless and wireless
- EnOcean RF technology
- Easy installation:
 - double-sided mounting film (included);
 - screwed onto flat surface;
 - backbox (181 & 182)

Product Order Codes:

Stainless steel frame

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

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

Plastic frame

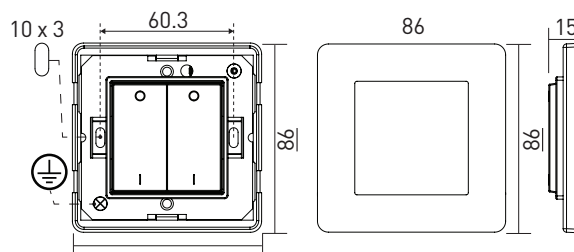
Single Rocker Switch: 183B (black) / 183W (white)

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

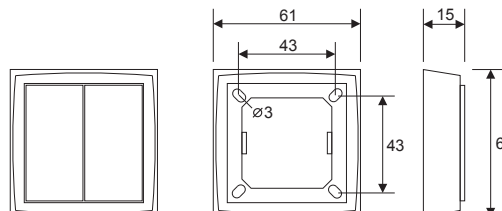
Switches for use outside Europe are required to have a different operating frequency: contact Helvar for details.



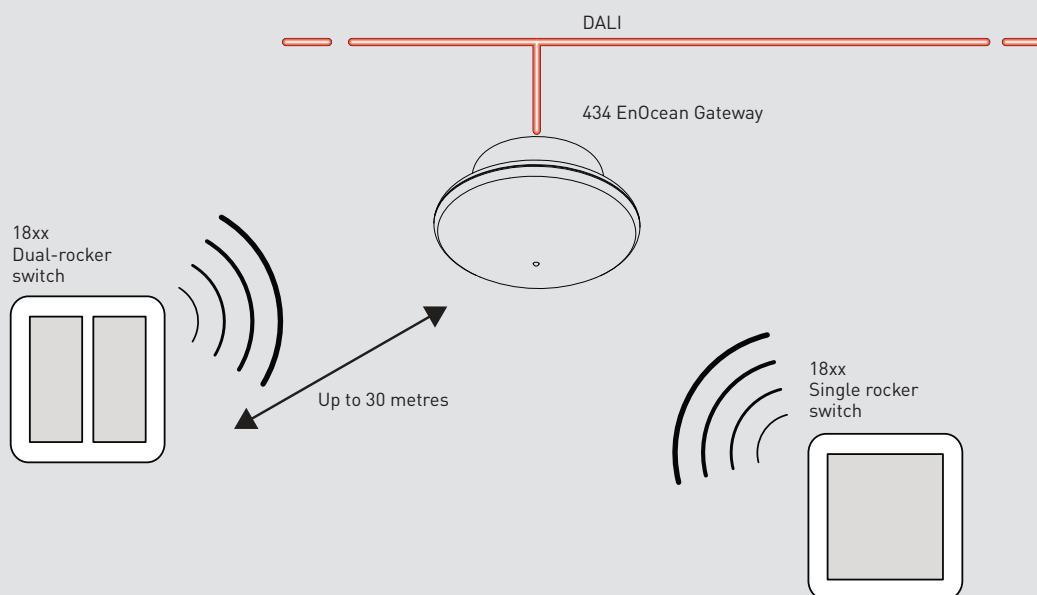
181x; 182x



183x; 184x



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 x 86 x 15 mm

Weight: 150 g

Switch colour: 18xW: white
18xB: black

Material: Switch rockers: plastic
Frame: Stainless steel (181 & 182)
Plastic (183 & 184)

IP rating: IP 30

Mounting: Mount to backbox, or mount on glass or flat surface

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 EN 301489-1
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