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.

181W

182B

183B

184W

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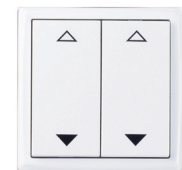Dual Rocker Switch: 184B (black) / 184W (white)

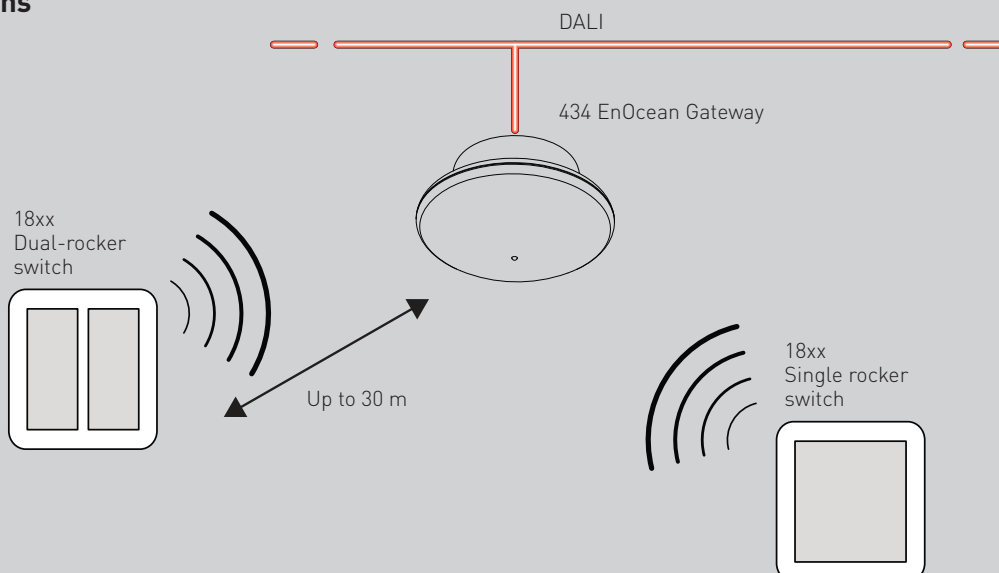## Connections

DALI

434 EnOcean Gateway

18xx
Dual-rocker
switch

Up to 30 m

18xx
Single rocker
switch

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)

Weight: 150 g