

# 18xx EnOcean Switches

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)

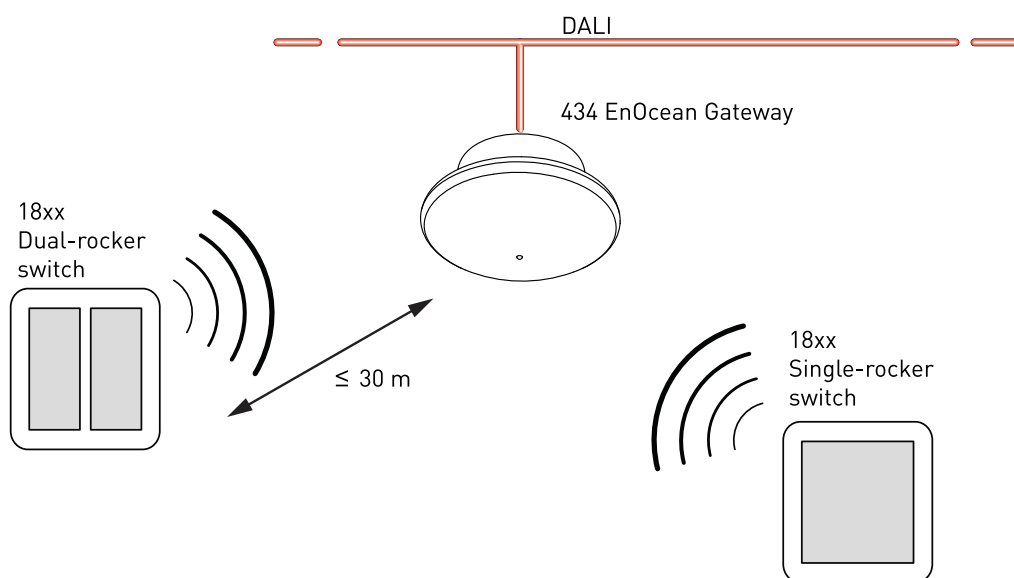
Dual Rocker Switch: 182B (black) / 182W (white)

### Plastic frame

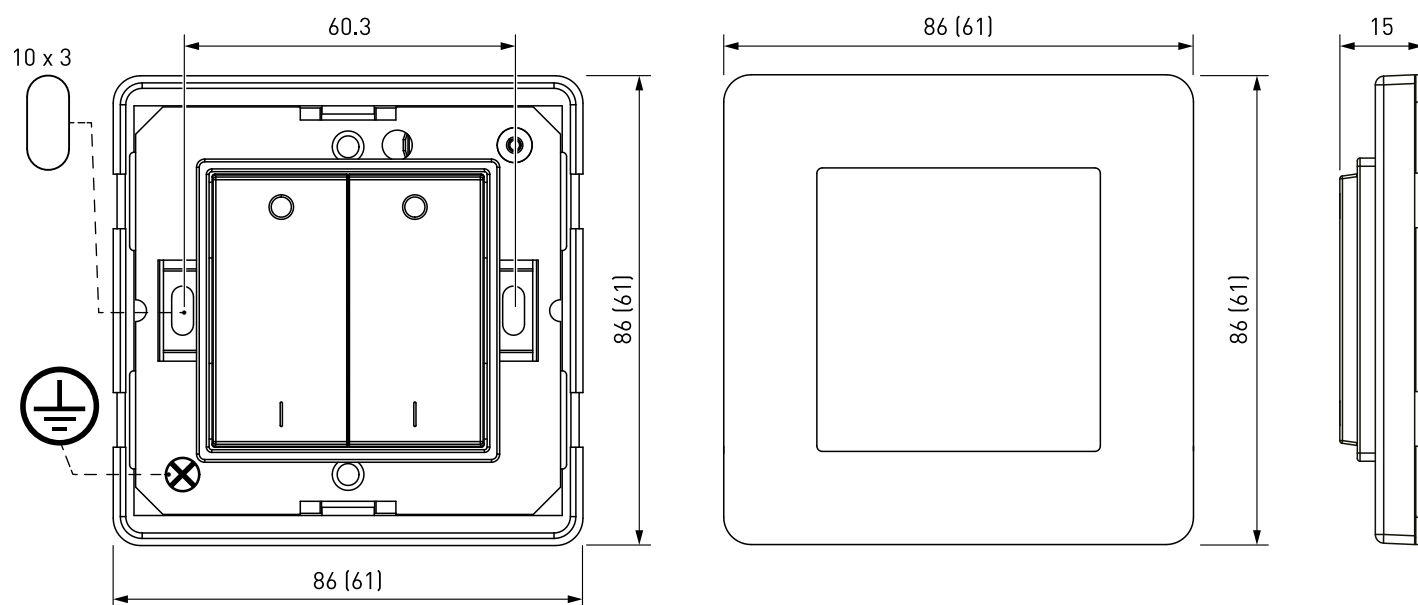
Single Rocker Switch: 183B (black) / 183W (white)

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

# Connections



# Dimensions (mm)



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

# Technical Data

## Connections

**Wiring:** No wiring (power or communications) is required.

## Electrical data

Signal power is generated by pressing the EnOcean button.

## Operation

**Operating frequency:** 868 MHz ISM band (Europe)  
**Range:** 30 m (unobstructed space)  
**Max. No. of switch panels per gateway:** 20

## Operating and storage conditions

**Ambient temperature:** 0 °C to +50 °C  
**Relative humidity:** Max. 90 %, noncondensing  
**Storage temperature:** -10 °C to +70 °C

## Mechanical data

**Dimensions:** 86 × 86 × 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 rating:** IP30

## Conformity and standards

**Conformity:**    
**RED:** EN 301489-3, EN 300220-2  
**Wireless protocol:** ISO/IEC 14543-3-10  
**Safety:** EN 62368-1  
**Environment:** Complies with WEEE, RoHS and REACH directives.