

Product data sheet

Bluetooth® Low Energy radio transmitter



Reference number

BLE ES 2990-L

Bluetooth® Low Energy radio transmitter

2-channel

including mounting plate, adhesive film and retaining screw

- Smart switch for wireless device control using wireless standard Bluetooth® Low Energy (BLE)
- For switching, dimming and controlling individual light scenes
- Mounting on flush box with dimensions according to DIN 49073, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)
- Battery-free device without external power supply
- Transmitting energy is generated from mechanical energy of actuation (energy harvesting)
- Encrypted transmission with AES-128 (CBC mode) and sequence counter
- Compatible with these wireless Bluetooth® systems: Casambi, XICATO Controls, Häfele Connect, WiSilica, Wirepas, Blu2Light (Vossloh Schwabe), Aruba, Fulham, Helvar
- Configuration interface: NFC Forum Type 2 Tag (ISO/IEC 14443 Part 2 + 3)
- Automatic range extension (depending on the system) via BT Mesh devices connected to the mains

Technical data

Radio frequency:	2.402 ... 2.480 GHz
Transmission range	
in free field:	up to 75 m
in buildings:	approx. 15 m
Transmitting power:	4 dBm / 2.5 mW
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +65 °C
Atmospheric humidity:	0 ... 95 % (no condensation)



metal colours (thermoplastic lacquered)

Colour:

stainless steel

Material:

thermoplastic lacquered

 Individual colour printing possible