



### DESCRIPTION

The **Thermokon EasySens Switches** are EnOcean wireless switches. They are maintenance-free and self-powered through an electrodynamic energy generator inside the switch.

These switches communicate with the **Easysens Thanos**, **SRCx** and **STCx** series of receiver gateways and **SRCx** series of receiver controllers (model frequency dependent).

### FEATURES

- **EnOcean Wireless, Maintenance Free**
- **Lighting, Dimmer and Blind Control Models Available**
- **Single or Dual Switch Models Available**
- **Multiple Decor Options**

**thermokon**  
Sensortechnik GmbH



BBJ-2CH-WH



BBJ-4CH-WH



LBJ-2CH-CR



LBJ-4CH-ALU



### SPECIFICATIONS

|                                |                                                                                                       |                                  |                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------|
| <b>DEVICE OPERATION</b>        |                                                                                                       | <b>RADIO TRANSMITTER</b>         |                                                   |
| <b>Supply Voltage</b>          | Electrodynamic energy generator from switch action                                                    | <b>Protocol</b>                  | EnOcean                                           |
| <b>Sensor Type</b>             | Device Contact Closure                                                                                | <b>Frequency</b>                 | 902 MHz, (Classic 315 MHz available on request)   |
| -CH2                           | 1 paddle switch ON/Off                                                                                | <b>Modulation</b>                | Direct Sequence Spread Spectrum (DSSS)            |
| -CH4                           | 2 paddle switches ON/Off                                                                              | <b>Transmit Power</b>            | 10 mW (10 dBm)                                    |
| <b>Transmitted Range Value</b> | Open/Closed                                                                                           | <b>Open Air Range</b>            | 328 ft (100m)                                     |
| <b>Accuracy</b>                | Digital On/Off                                                                                        | <b>Transmission time</b>         | 20ms                                              |
| <b>Indication</b>              | Program learning by pushing each paddle switch                                                        | <b>Transmission Interval</b>     | Transmits on each Change of State (COS) operation |
| <b>Mounting</b>                | Surface to flat wall or back box<br>Screw to wall (2 screws provided)<br>Glue to wall (Glue provided) | <b>Antenna</b>                   | Internal                                          |
| <b>Operating Temperature</b>   | -13° to 149°F (-25° to 65°C)                                                                          | <b>Channels</b>                  | One                                               |
| <b>Operating Humidity</b>      | 0 to 95% RH, non-condensing                                                                           | <b>Device Addresses</b>          | 100 transmissions per minute                      |
| <b>Construction</b>            | ABS Plastic, UL94 V-0                                                                                 | <b>Programming</b>               | Push paddle button in field                       |
| <b>Enclosure Rating</b>        | NEMA 1 (IP40)                                                                                         | <b>EnOcean Equipment Profile</b> | EEP #, Defines payload and control sequence use   |
| <b>Dimensions</b>              |                                                                                                       | <b>Repeater Capable</b>          | F6-02-01, Lights/Blinds/Shutter switch            |
| LBJ-x/BBJ-x                    | 2.8"H x 2.8"W x 0.59"D (7.1 x 7.1 x 1.5 cm)                                                           | <b>Compliance</b>                | Yes, (can increase open air range x2)             |
| LMI-x/BMI-x                    | 2.4"H x 2.4"W x 0.59"D (6.1 x 6.1 x 1.5 cm)                                                           |                                  | FCC ID# SZV-PTM200C, IC# 5713A-PTM200C, RoHS, CE  |
| <b>Weight</b>                  |                                                                                                       |                                  |                                                   |
| LBJ-x/BBJ-x                    | 0.24 lb (0.11 Kg)                                                                                     |                                  |                                                   |
| LMI-x/BMI-x                    | 0.15 lb (0.07 Kg)                                                                                     |                                  |                                                   |
| <b>Warranty</b>                | 2 years                                                                                               |                                  |                                                   |

### ORDERING INFORMATION

| MODEL †     | DESCRIPTION                               | MODEL †     | DESCRIPTION                                     |
|-------------|-------------------------------------------|-------------|-------------------------------------------------|
| LBJ-2CH-WH  | 2-CH Switch, lighting, White              | BBJ-4CH-ALU | 4-CH Switch, blinds/shutters, Aluminium         |
| LBJ-2CH-CR  | 2-CH Switch, lighting, Cream white        | BBJ-4CH-ANT | 4-CH Switch, blinds/shutters, Anthracite        |
| LBJ-2CH-ALU | 2-CH Switch, lighting, Aluminium          | LMI-2CH-WH  | 2-CH switch for lighting, Mini, White           |
| LBJ-2CH-ANT | 2-CH Switch, lighting, Anthracite         | LMI-2CH-ALU | 2-CH Switch lighting, Mini, Aluminium           |
| BBJ-2CH-WH  | 2-CH Switch, blinds/shutters, Davos White | LMI-2CH-ANT | 2-CH Switch, lighting, Mini, Anthracite         |
| BBJ-2CH-CR  | 2-CH Switch, blinds/shutters, Cream White | BMI-2CH-WH  | 2-CH Switch, blinds/shutters, Mini, pure white  |
| BBJ-2CH-ALU | 2-CH Switch, blinds/shutters, Aluminium   | BMI-2CH-ALU | 2-CH Switch, blinds/shutters, Mini, Aluminium   |
| BBJ-2CH-ANT | 2-CH Switch, blinds/shutters, Anthracite  | BMI-2CH-ANT | 2-CH Switch, blinds/shutters, Mini, Anthracite  |
| LBJ-4CH-PWH | 4-CH Switch, Lighting, Pure White         | LMI-4CH-WH  | 4-CH Switch, lighting, Mini, pure white         |
| LBJ-4CH-CR  | 4-CH Switch, lighting, Cream White        | LMI-4CH-ALU | 4-CH Switch, lighting, Mini, aluminium          |
| LBJ-4CH-ALU | 4-CH Switch, Lighting, Aluminium          | LMI-4CH-ANT | 4-CH Switch, lighting control, Mini, Anthracite |
| LBJ-4CH-ANT | 4-CH Switch, Lighting, Anthracite         | BMI-4CH-WH  | 4-CH Switch blinds/shutters, Mini, pure white   |
| BBJ-4CH-WH  | 4-CH Switch, blinds/shutters, Pure White  | BMI-4CH-ALU | 4-CH Switch, blinds/shutters, Mini, Aluminium   |
| BBJ-4CH-CR  | 4-CH Switch, blinds/shutters, Cream White | BMI-4CH-ANT | 4-CH Switch blinds/shutters, Mini, Anthracite   |

† Add -902 for 902 MHz or -315 for 315 MHz at the end of the part number to order.