iSMA-B-SP

iSMA-B-SP is wall panel with a potentiometer and one function button. Additionally, the panel has the built-in temperature sensor. We design this device for those who are looking for a low-cost and simple solution and don't want to pay for features they won't use. Compact size and clear style/design is friendly to architects and building owners. This device is ready to use with iSMA-B-FCU controllers without a need of any configuration. In connection to them the panel allows to change the basic parameters such as: temperature setpoint or FCU controller working mode. The actual status of this last parameter is indicated by the built-in LED diode.

In effect, these two devices create a cost-effective solution for comfort and energy saving.

Key Features

- Built-in temperature sensor for its precise monitoring
- 1x function push button e.g. for occupancy mode activation
- Simple and easy-to-use setpoint adjustment method
- Small size of housing
- Universal visual design fits into many applications
- Surface mounting (with or without the use of standard electric box – 60 mm)
- Changing of the basic parameters in connection to FCU controllers without any additional configuration

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iSMA-B-SP

Specification

Temperature sensor

- Type: 10k NTC
- Range: 0 – 50°C
- Accuracy: +/- 0,5°C
- Resolution: +/- 0,1°C

Potentiometer

- Type: 10k, linear
- Tolerance: ±20%

LED Diode

- Waterclear Blue – current driven

Push Button Switch

- Normal Open (NO)

Communication

- Wiring: 5-wire cable: common ground, separate wires for temperature sensor, potentiometer, LED diode, push button switch.
- Connectors: 5x screw connectors, max 2 mm.

Housing

- Dimensions: 71 x 71 x 27 mm
- Construction: plastic, self-extinguishing (PC/ABS)
- Surface mounting (with or without standard electric box 60 mm)

Environment

- Operating temperature: 0°C to 50°C
- Storage temperature: -40°C to 85°C
- Relative humidity: 5% to 95%, no condensation
- Ingress Protection: IP20 – for indoor installation

Wiring Diagram

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