# iSMA

Intelligent Solution Managing Automation
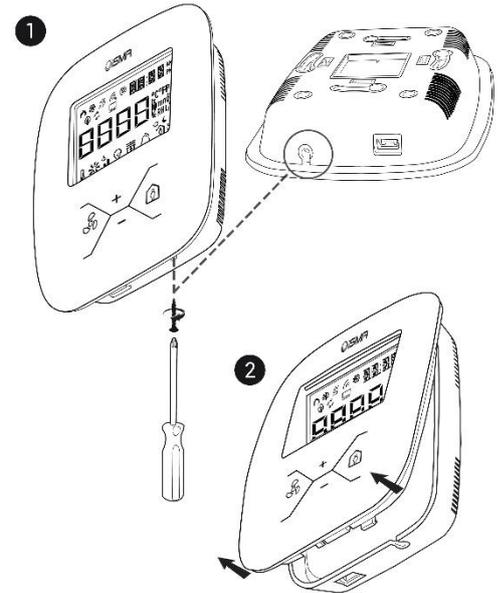
# iSMA-B-LP

CE

version 1.0

## SPECIFICATION

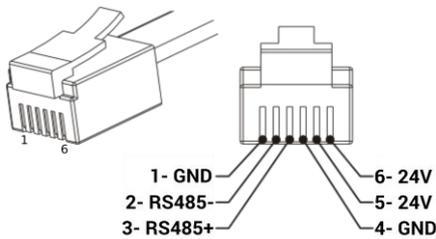| | |
|---|---|
| Supply | 24 V AC/DC ± 20% |
| Temperature sensor | 10k NTC type, Accuracy: ±0,5˚C |
| Humidity sensor | Range: 0 – 100% RH, Accuracy: ±2% RH in range 20 – 80% RH |
| CO2 sensor | NDIR Range: 400 – 2000 ppm, Accuracy: ±30 ppm, Warm Up Time : < 2 minutes (operational); 10 minutes (maximum accuracy) |
| Processor | ARM Cortex M0+ |
| Interface | RS485, Mini USB type B |
| Ingress Protection | IP20 - for indoor installation |
| Temperature | Operating: 0°C to +50°C; Storage: -40°C to +85°C |
| Relative Humidity | 5 to 95% RH (without condensation) |
| Connectors | 2x RJ12 Terminal |
| Dimensions | 100 x 123 x 27 mm |
| Mounting | Standard 60mm wall back box |
| Housing material | Plastic, self-extinguishing PC/ABS |

## INSIDE AND REAR VIEW
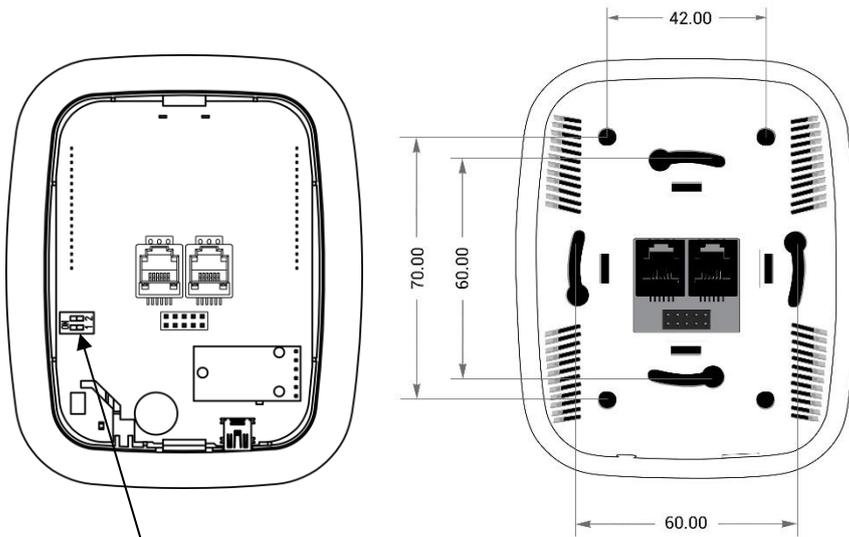


| Switch | Description |
|---|---|
| 1 | Restore default settings |
| 2 | Network Termination |

## MOUNTING VIEW



## RJ12 PIN DESCRIPTION



1- GND
2- RS485-
3- RS485+
6- 24V
5- 24V
4- GND

## COMMUNICATION

RS485 Modbus or BACnet
GND

| 1 | 2 | 3 | 4 | 5 | 6 |

## POWER SUPPLY

### DC Voltage

| 1 | 2 | 3 | 4 | 5 | 6 |

24V DC

### AC Voltage

| 1 | 2 | 3 | 4 | 5 | 6 |

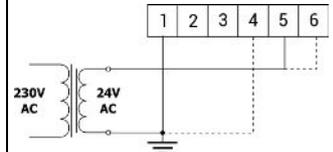230V AC    24V AC
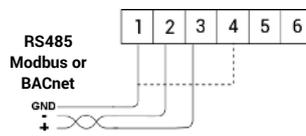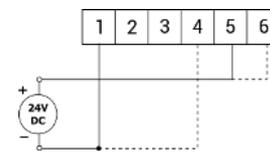
## ⚠ WARNING ⚠

• Note, an incorrect wiring of this product can damage it and lead to other hazards. Make sure the product has been correctly wired before turning the power ON.
• Before wiring, or removing/mounting the product, be sure to turn the power OFF. Failure to do so might cause electric shock.
• Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
• Do not disassemble the product. Doing so might cause electric shock or faulty operation.
• Use the product within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere etc.). Failure to do so might cause fire or faulty operation.
• Firmly tighten the wires to the terminal. Insufficient tightening of the wires to the terminal might cause fire.