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
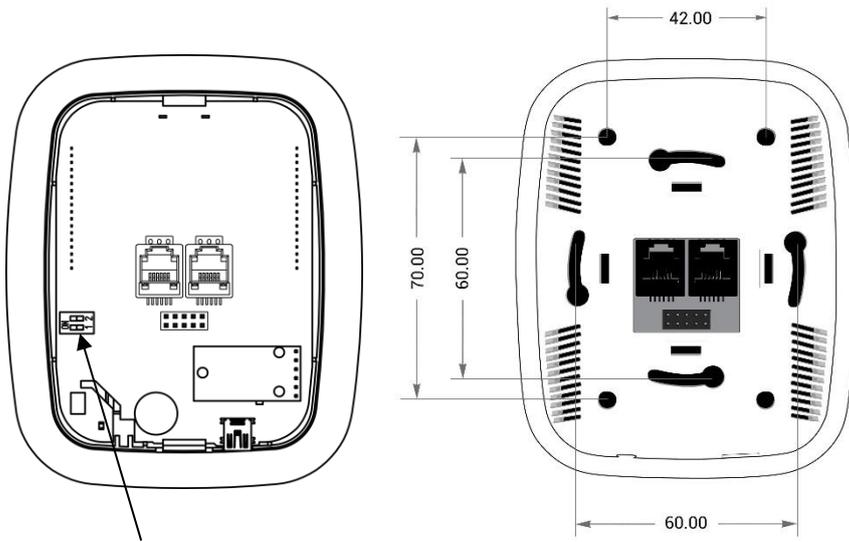
Switch	Description
1	Restore default settings
2	Network Termination

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
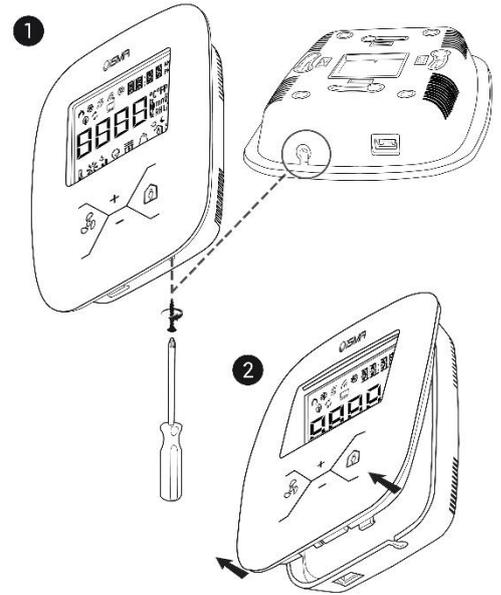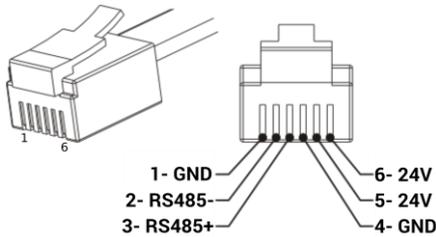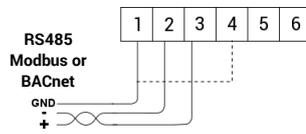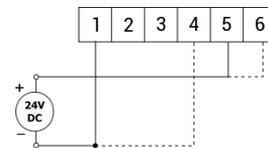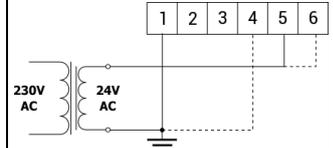
⚡ WARNING ⚠

• 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.