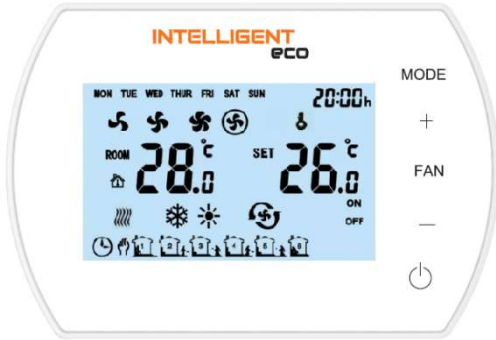


10 PANEL INTELLIGENT WIFI – programmable controller manual

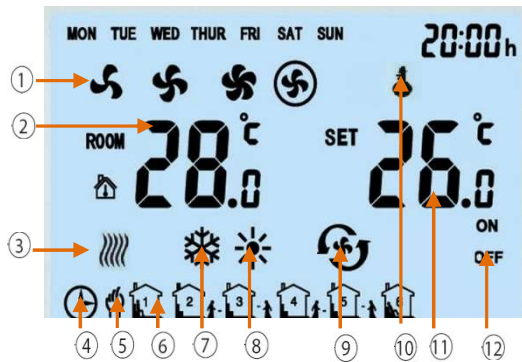
Panel Intelligent WIFI controls actuators/valves and automatically regulates the fan’s speed depending on the required room temperature. The lower temperature in the room the higher the air output is set. Fan speed changes automatically at a lower rate when the temperature in a room gets closer to the desired one. Intelligent WIFI allows to management work of the device via the mobile app TUYA SMART.



Functions

- Panel INTELLIGENT is designed for the SONNIGER products
- Weekly thermostat (5/1/1 days)
- Automatic or manual 3-step fan speed adjustment.
- Control room temperature (by opening/closing the valve, or by adjusting air volume automatically).
- Antifreeze mode- protection against dropping room temperature below critical level 5 ~ 15 °C.
- Possibility to connect external NTC temperature sensor.
- BMS communication by MODBUS protocol
- Wireless control via the TUYA SMART app
- Dry contact feedback

Panel description

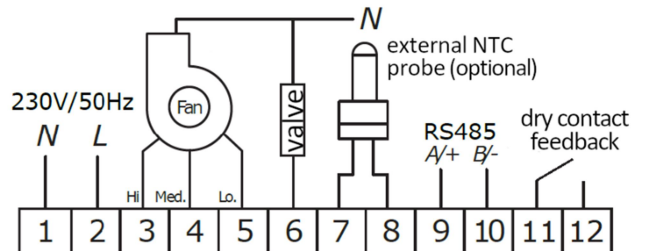


1. Fan Speed: LOW, MED, HI and AUTO
2. ROOM TEMP. or NTC EXTERNAL SENSOR TEMP. (measured temperature)
3. Anti-freeze indication
4. Automatic programmable mode
5. Manual mode
6. 6 Time Zones for each day
7. Cooling Mode
8. Heating Mode
9. Ventilation Mode
10. Buttons Lock
11. SET TEMP. (desired room temperature)
12. ON/OFF status of time zones

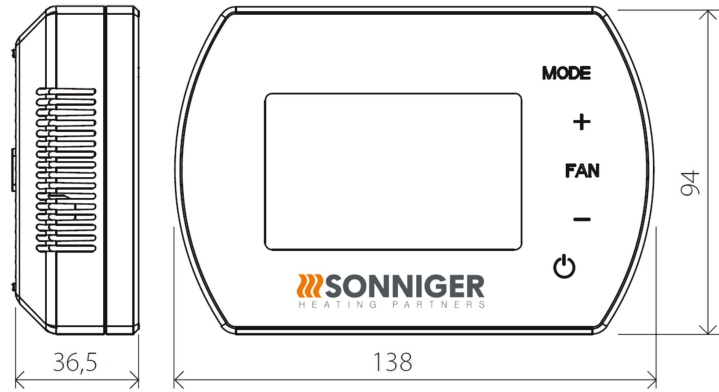
- 13 MODE Press shortly to select manual or automatic mode Press and hold for 3 s and select colling, heating or ventilation mode
- 14 FAN Press shortly and select fan speed: Low, Med, High or Auto
- 15 ON/OFF INTELLIGENT Panel

Technical parameters

| | | |
|---|---------------------------|------------------------------------|
| 1 | Power supply | 230VAC/50Hz |
| 2 | Temperature setting range | 5°C 40°C |
| 3 | Temperature working range | -10°C 60°C |
| 4 | IP class | 20 |
| 5 | Temperature sensor | Internal / external NTC (optional) |



Dimensions



Settings menu

When Panel Intelligent is switched off, press and hold MODE for 5 seconds

To change option use MODE button.

To change value use +/- buttons.

| Setting menu | Option | Value |
|--------------|-------------------------|---|
| 1 | Temperature calibration | -9°C ~ +9°C |
| 2 | EEPROM | 0: no memory 1: memory |
| 3 | Fan status | C1: Thermostatic mode C2: Continuous mode |
| 4 | Temperature sensor | 0: Internal Sensor 1: External Sensor NTC (optional) |
| 5 | Antifreeze | 0: Off 1: On |
| 6 | Antifreeze range | +5°C ~ +15°C |
| 7 | ALARM | 0: disable 1: enable |
| 8 | Drycontact | 0: NO 1: NC |
| 9 | MODBUS | 0: disable 1: enable |
| 10 | BMS speed | 0-2400 / 1-9600 / 2-19200 |
| 11 | Modbus ID | 1~247 (01~F7) |

Button lock / unlock 

To LOCK buttons press and hold + and then – and hold both of them for 5 seconds.

To UNLOCK buttons press and hold + and then – and hold both of them for 5 seconds.





Press MODE

Change on manual mode  or automatic mode 

Hold MODE for 5 seconds

Change to cool mode , heating mode , ventilation 








Press FAN

Change of the fan speed low , medium , high , automatyczna 

Hold FAN for 5 seconds

Manual calendar programming Monday – Friday, Saturday, Sunday 6 settings per day

BMS Functions

-  Setting/Reading work parameters
-  Work/Stop conditions
-  Weekly program
-  Temperature
-  Fan speed
-  Heating, ventilation, cool mode
-  Antifreeze mode