

QUICK START MANUAL

Temperature sensor (TS30)

Temperature sensor (TS30) provides:

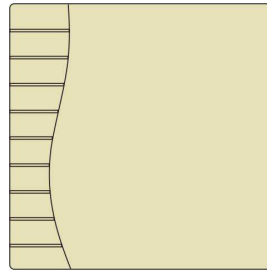
- Room temperature measuring

Common features:

- Wall mounted Temperature sensor powered from Online Controller
- Modbus communication protocol
(Look at the picture no. 3 – pin-out assignment)

Mounting:

- wall mounting in dry internal environment
- approximately 1.5 m above the floor in place with good air circulation
- do not mount where can be affected by air draught, sunshine, heating devices or other factors

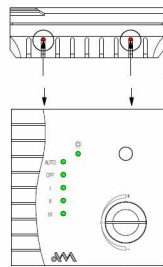


Picture No. 1

Installation:

This device may be installed only by an authorized person for the installation and service of Daikin A/C units. Please follow the safety instructions in the A/C unit manual.

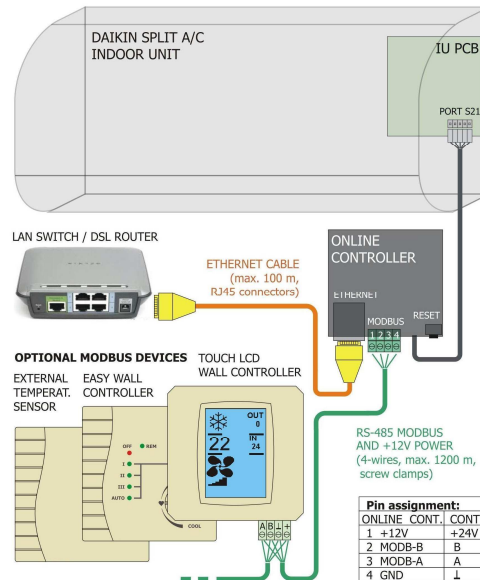
1. Turn OFF the Online Controller - unplug Online Controller system cable or turn the A/C breaker OFF (NOT only ON/OFF button on A/C front panel).
2. Remove TS30 front panel by pressing of two pawls on bottom or foreside (e.g. by screwdriver). See picture no. 2.



Picture No. 2

3. Mount back panel on the selected place on the wall.
4. Connect Online Controller and TS30 through cable. Look at the picture no. 3 for pin-out assignment.
5. Then turn ON the Online Controller - connect Online Controller system cable or turn the A/C breaker ON.
6. Set the communication parameters (Parity, Address, Communicate rate, RS485 Line Termination) of TS30 via configuration jumpers (picture no. 4 and 5).

Parity must be set to **Even**.



Picture No. 3

Procedure:

- Take out jumpers from JP1 to JP8 (LEDs are flickering irregularly under power supply)
- Place jumper on position JP1 (Even parity)
- Place jumper on position JP8 for confirm Even parity (LEDs switch OFF)

Address has to be set from 1 to 63. The weight of individual jumpers (IU) for addressing and communication rate settings is listed on the picture no. 5. Procedure:

- Place jumper on the position JP1 and JP3 for address 5.

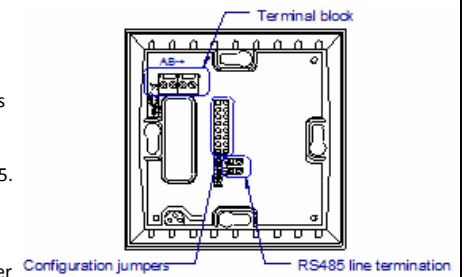
Communication rate must be set to **38400 bps**.

Procedure:

- The jumper on position JP8 must be closed and jumper JP7 must be open – remove it.

RS485 line Termination. Procedure:

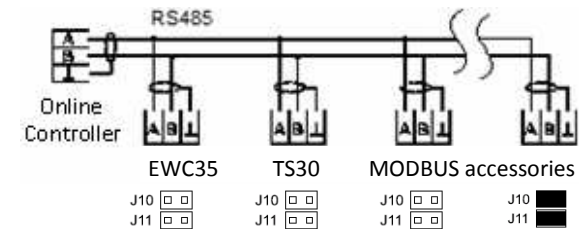
- Keep the jumpers J10 and J11 unconnected on the intermediate station or connect them on the end station. See picture no. 6.



Picture No. 4

Jumper	Weight	JP7	JP8	Communic. rate
JP1	binary weight of 1	OFF	OFF	9600 bps
JP2	binary weight of 2	ON	OFF	19200 bps
JP3	binary weight of 4	OFF	ON	38400 bps
JP4	binary weight of 8	ON	ON	57600 bps
JP5	binary weight of 16			
JP6	binary weight of 32			

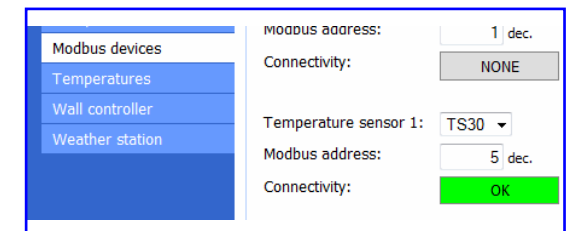
Picture No. 5



Picture No. 6

7. Open SETUP menu of Online Controller (via web browser, for detail instruction, please read Quick Start manual of Online Controller). At Modbus devices setup page (picture no. 7) choose TS30 from the selectbox for Temperature sensor 1 or 2 and write Modbus address 5. Confirm your selection with **Set** button.

8. Check the connectivity status, if connection is established, the „OK“ will be displayed with green background (see picture no. 7).



Picture No. 7

Controller1

admin [Login menu](#)

On/Off:

Mode:

Set Temp:

Fan:

Swing:

Timer:

Status: OK

Room: 22,8°C

Outdoor: °C

Calculation of displayed temperature value

SETUP menu - Temperature screen gives a possibility to set and define a value which will be displayed in main control module (picture no. 8). In case of usage and selection more sensors; the displayed value will be their arithmetic average. The selection is done by checking the appropriate selectboxes (look at the picture no. 9).

Note: Temperature sensor 1 (2) can be selected either for calculating room (indoor) temperature or ambient (outdoor) temperature.

Picture No. 8

Onlinecontroller.eu [Nice](#)

Security

Network

SNMP

E-mail alerts

Events configuration

Group mode

Modbus devices

Temperatures

Wall controller

Weather station

TEMPERATURES

Room (indoor) temperature

Displayed value: °C

Measured values and influence settings:

» Indoor unit °C

» Wall controller °C

» Temp. sensor 1 °C

» Temp. sensor 2 °C

Ambient (outdoor) temperature

Displayed value: °C

Measured values and influence settings:

» Outdoor unit °C

» Weather station °C

» Temp. sensor 1 °C

» Temp. sensor 2 °C

Picture No. 9



CONTINEO, s.r.o. and COLTBURG, s.r.o. declare that the product TS30 is in identity with requirement and other clauses of directive 1999/5/EC.



Directive 2002/96/EC WEEE is a EU legislative standard, which the main purpose is, as a first priority, the prevention of waste electrical and electronic equipment (WEEE), and in addition, the reuse, recycling and other forms of recovery of such wastes so as to reduce the disposal of waste. Do not put this product into common household waste. Return it to an appropriate centre for electric and electronic waste.