QUICK START MANUAL

Easy Wall Controller (EWC) KBRCS01A

Easy Wall Controller (EWC) provides:

- Room temperature measuring
- LOCAL / REMOTE control mode
- I, II, III, AUTO fan modes
- A/C system Switch ON/OFF
- Turning the dial for temperature variation

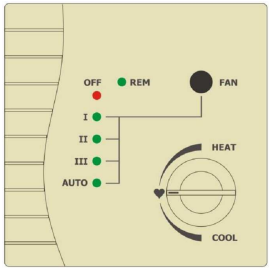


Figure 1

Common features:

- Wall mounted Easy Wall Controller powered from Online Controller
- Modbus communication protocol
  (See Figure 3 – pin-out assignment)

Mounting:

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

Installation:

This device may be installed only by an authorised 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 isolator OFF (NOT only ON/OFF button on A/C front panel).
2. Remove EWC front panel by pressing the two pawls on bottom or top side (e.g. by screwdriver). See Figure 2.

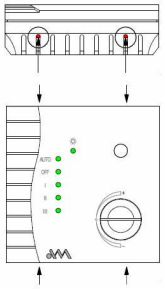


Figure 2

3. Mount back panel on the selected place on the wall.
4. Connect Online Controller and EWC via the cable. Look at Figure 3 for pin-out assignment.
5. Then turn ON the Online Controller - connect Online Controller system cable or turn the A/C isolator ON.

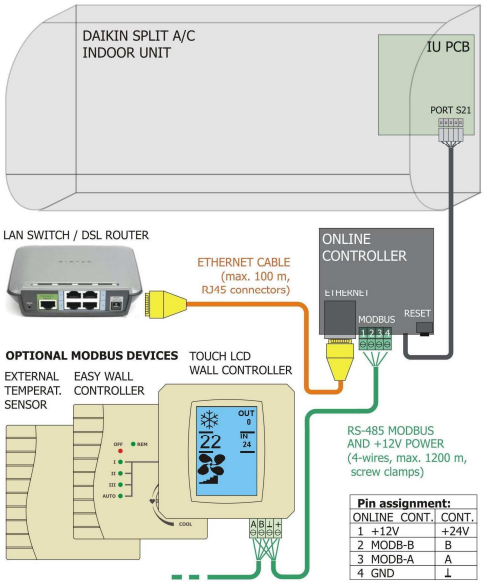


Figure 3

6. Set the communication parameters (Parity, Address, Communications rate, RS485 Line Termination) of EWC via configuration jumpers (Figures 4 and 5).

Parity must be set to **Even**.

Procedure:

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

Address has to be set from 0 to 63. The weight of individual jumpers (IJ) for addressing and communication rate settings is listed on Figure 5. Procedure:

a) Place jumper on the position JP4 for the address 8.

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

Procedure:

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

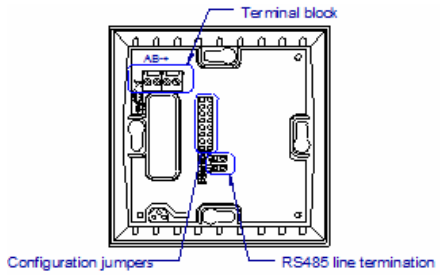


Figure 4

RS485 line Termination. Procedure:

a) Keep the jumpers J10 and J11 unconnected on the intermediate station or connect them on the end station. See Figure 6.

JP1	binary weight of 1
JP2	binary weight of 2
JP3	binary weight of 4
JP4	binary weight of 8
JP5	binary weight of 16
JP6	binary weight of 32

JP7	JP8	Communic. rate
OFF	OFF	9600 bps
ON	OFF	19200 bps
OFF	ON	38400 bps
ON	ON	57600 bps

Figure 5

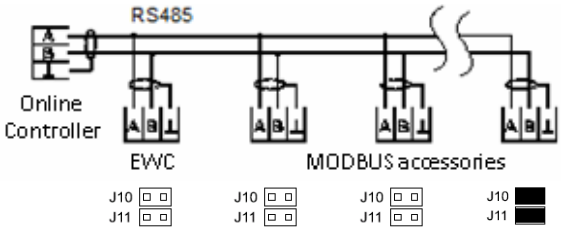


Figure 6

7. Open SETUP menu of Online Controller (via web browser, for detailed instruction, please read the Quick Start manual of the Online Controller). At Modbus devices setup page (Figure 7) choose EWC35 from Wall controller selection box and insert Modbus address 8. Confirm your selection with the Set button.

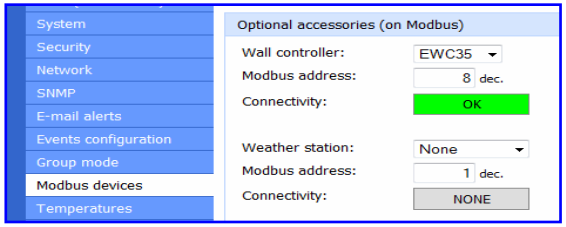


Figure 7

8. Check the connectivity status; if connection is established, the 'OK' will be displayed with a green background (see Figure 7).

Setpoint range of Easy Wall Controller

The Online Controller enables you to set the temperature range for the adjustable dial of the EWC. On Figure 8, there is the SETUP menu of the Online Controller – Wall Controller settings page. Here you can set the required MIN and MAX values for each operating mode.

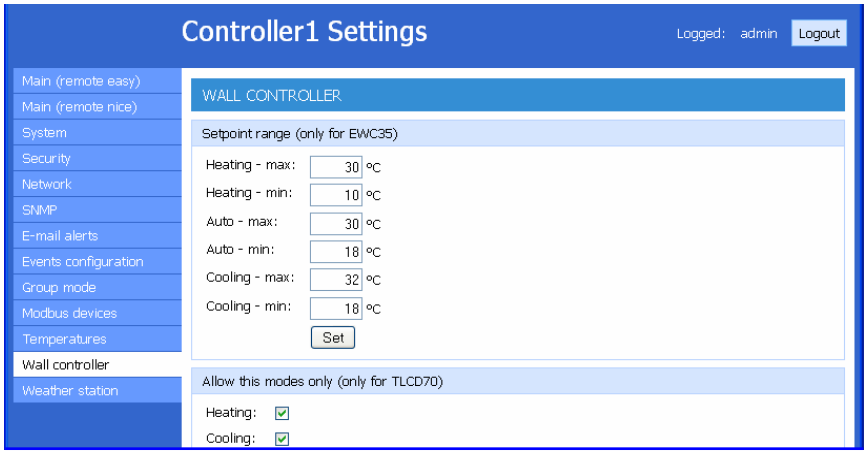


Figure 8

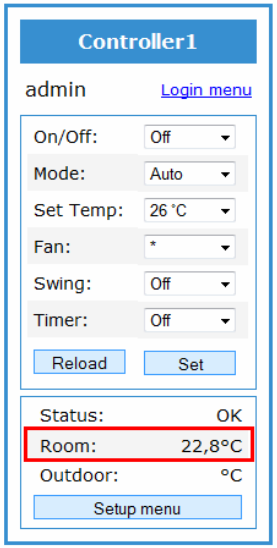
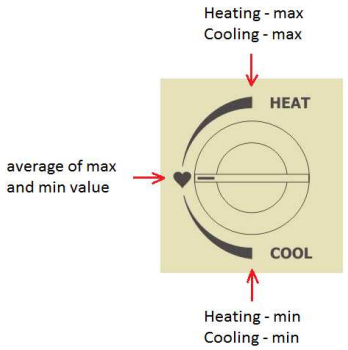


Figure 9

Example:
Heating – max = 30
Heating – min = 10
Average value = 0,5 * (30+10) = 20



Calculation of displayed temperature value

SETUP menu - the Temperature screen enables you to set and define a value which will be displayed in the main control module (Figure 9). In case of using and selecting more sensors, the displayed value will be their arithmetic average. The selection is done by checking the appropriate selection boxes (Figure. 10).

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

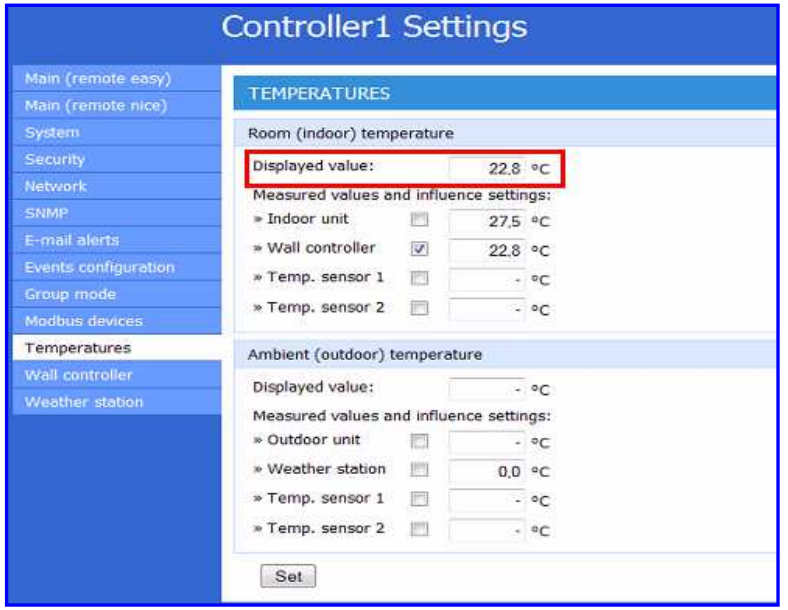


Figure 10

CONTINEO, s.r.o. and COLTBURG, s.r.o. declare that the product KBRCS01A 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.