Thank you for choosing a SALUS Controls Quality Product.

Manual for the wireless devices ERT50RF, ERT30RF and KL06 RF

For all basic adjustments, please read the operating instructions enclosed with the appliance.

Preparing the KL06 RF Control Unit

Remove the transparent cover from the control unit that has been installed according to the instruction. Loosen the four screws of the printed circuit board and remove them carefully. Now tighten the enclosed antenna to the (allocated) connection on the backside of the printed circuit board and attach it with the magnet base outside of the junction box. After refastening the printed circuit board properly, connect the terminal strip.
Ensure that the green LED is lit up. This indicates that the unit is ready.

Choosing the Terminal on the KL 06 RF Control Unit

The control unit provides over six terminals for cable connections with the temperature controllers. Should you wish to connect a terminal to a room thermostat (ERT50RF or ERT30RF) proceed as follows:

- Press **SYNC**, the LED for the active terminal will flash 3 times.

Select another terminal:

- Press **SYNC** as many times as needed to make the LED on the desired terminal flash.

Establish a connection with selected terminal:

- Press and hold **SYNC** for three seconds. The LED will flash constantly. The control unit is now ready for the thermostat connection to be set up for a duration of 2 minutes.

Connecting the KL06 RF Control Unit with the ERT50RF

- Briefly press **(-)** or **(+)** on the room thermostat and then press **select** and **cancel** together for a few seconds, in order to enter the Program menu.
- Use the **(-)**, **(+)** and **select** keys to navigate the menu and find your way to *DEVICE PAIRING* and press **select** in order to start the connection. The wireless connection shall be established. A countdown on the display shall show the progress of the operation.
- *SUCCESSFUL* will be shown on the display when the wireless connection has been established. The terminal-LED on the control unit will go out. Press **cancel** to exit the program.
- If *FAILED!* is shown on the display, the wireless connection could not be established. Press **select** in order to connect again or press **cancel** to exit the program.

Connecting the KL06 RF control unit with the ERT30RF

- Press **SYNC** on the ERT30RF to start the connection. The wireless connection shall be established. A countdown on the display shall show the progress of the operation.
- *SUC* will be shown on the display when the wireless connection has been established. The terminal-LED on the control unit will go out.
- If *FAL* is shown on the display, the wireless connection could not be established. Press **SYNC** in order to connect again.

Connecting with additional Room Thermostats

Press **SYNC**, in order to start the terminal selection procedure (see above), then choose another terminal to be connected to another room thermostat.

Technical Characteristics

The ERT50RF and ERT30RF connected with the KL06RF.

Power management under normal operating conditions:

- The room thermostat ensures the input of the time, date and interval timer permanently in the EEPROM, once the time and interval timer have been updated.
- The LCD light will be turned off when the battery is low.
- The LCD display goes out when the batteries are removed. All circuits are interrupted and the power failure protection becomes active.
- The thermostat takes up its same service functions again and the power failure protection is deactivated as soon as the new batteries are inserted.

Change / Switch from heating mode to cooling mode

You can change from heating to cooling mode with both ERT50RF and ERT30RF.
Proceed the following steps:

- ERT50RF: Please read the enclosed operating instructions.
- ERT30RF: Press the buttons **SYNC** and **(+)** simultaneously for three seconds. The display shows *HEAT* or *COOL*. Select the required mode with the **(+)** button and confirm with the **SYNC** button. The thermostat will change to operational mode automatically.

RF-Wireless Connection (ZigBee)

The RF-Signal shall be sent every two minutes to update the control functions and check for any errors. During the RF-signal transmission the transmission symbol on ERT30RF or ERT50RF flashes.

- When there is no signal, the display shows the signal interrupted symbol.

Wireless RESET Via the Control Unit

Though a RESET is not necessary if a room thermostat connected to the control unit is replaced, you can RESET the control unit as follows:

- Press and hold **SYNC**, the press and release **RESET**.
- Release **SYNC**. All the LEDs flash and indicate that the wireless connection settings are being **RESET**.
- Press **SYNC**. All LEDs light up. KL06 RF commences checking all channels and chooses an available band as new transmission path.

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