

Introduction

The KL08RF wireless wiring centre is a part of the iT600RF system. In combination with the wireless thermostats from iT600RF series, KL08RF provides comfortable and reliable heating control. It is equipped with the control outputs for the pump and boiler and has been designed to work with NC or NO actuators

In Offline mode, communication with the wireless thermostats from iT600RF series must be done through the CO10RF co-ordinating unit, which is in the package together with the wiring centre. To work in Online mode (via the SALUS Smart Home app) KL08RF must be connected to the Internet gateway UGE600. In one ZigBee network (Online or Offline) up to 9 KL08RF wiring centres can be connected. KL08RF increases ZigBee network range.

Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives: EMC 2014/30/EU, LVD 2014/35/EU, RED 2014/53/EU and RoHS 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com.

A Safety Information

Use in accordance with the regulations. Indoor use only. Keep your device completely dry. Disconnect your device before cleaning it with a dry cloth. This accessory must be fitted by a competent person, and installation must comply with the guidance, standards and regulations applicable to the city, country or state where the product is installed. Failure to comply with the relevant standards could lead to prosecution

Technical Information

Power Supply	230 V AC 50 Hz
Max load	3 A
Inputs	CO terminal Dew point sensor (humidistat)
Outputs	Pump control Boiler control Terminals for actuators
Radio frequency	ZigBee 2,4 GHz
Dimensions [mm]	355x83x67

Note: Fuse replacement should be done when the wiring centre is disconnected from power supply 230 V AC. The mains fuse is located under the housing cover, at the main terminals and protects the wiring centre and

devices powered by it. Use cartridge fuse-type $5 \times 20 \text{ mm}$ - nominal burn rate 12 A. To remove the fuse, lift the socket with a flat screwdriver and pull out the fuse.



3. Thermostat grouping status

1. Fuse

This function is only available in Offline mode (together with CO10RF coordinator) - it means MASTER thermostats will affect to SLAVE thermostats within specific group, 0 G1 which is possible only when thermostats are paired with one KLO8RF wiring centre (optional + KL04RF) and have been assigned to gr. 1 or gr. 2.

Note: Within one group there may be only one MASTER thermostat (programmable) and the rest must be SLAVE thermostats (non-programmable).

How it works: If all thermostats of a given group will operate in automatic mode, then each of the thermostats in a given group will work in the same way as the MASTER of this group. For example, if the MASTER thermostat of Group 1 according to it's programmed schedule maintains a comfort mode - all SLAVE type thermostats from Group 1 will also maintain the comfort mode (the temperature is set individually for every thermostat). Similarly, if the MASTER thermostat is set to Party or Holiday mode - SLAVE thermostats in his group will also work in these modes

The grouping function is optional - thermostats do not have to be grouped, they can operate independently

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G2

9. NC/NO actuators jumper



Select the type of the thermoelectric actuator connected to the wiring centre: NC – actuator normally closed NO – actuator normally opened



Jumper position change must be refreshed in the memory by pressing the Reset button (short press).

10. ZigBee network coordinator



The ZigBee network coordination unit CO10RF is used for Offline mode and it's included with the wiring centre. CO10RF enables wireless control of all devices installed in one network. Within one network can be connected max 9 wiring centres. It means that if in the network there are more than one wiring centre, you can use one coordinator and put the remaining ones in a safe place.

Note: Do not use CO10RF coordinator with UGE600 simultaneously.

11. Terminals for actuators

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Wires of the thermoelectric actuators should be plugged into the self-locking connectors in the appropriate zones. You can connect 3 actuators directly to one zone. The current load of one zone is adapted to operate with up to 6 thermoelectric actuators with a power of 2 Watts. If there is a need to connect more than 6 actuators please use an additional relay to relieve the output of the zone.



Opened contacts

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Closed contacts

🖢 — Blue

💥 Cooling



Dew point sensor input is active only in cooling mode (with closed CO Shorting the contacts at the dew point sensor input (too high humidity) causes switching off all zones in the wiring centre and Pump control outputs.

16. Serial connector for the KL04RF extension

It is used for communication between the KLO8RF wiring centre and the KLO4RF extension module. KLO4RF extension module increases functionality and expands support up to 12 zones.



the housing (see picture). When mounting on

the DIN rail tilt the hooks on the back of the housing.

Screw the main part of the wiring centre

to the back of the housing.

Connect the power cord.

Remove the CO10RF coordinator if you use

After finishing installation mount the top cover

of wiring centre.

the UGE600 internet gateway.

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17. External antenna connector

The external antenna connector 08RFA is located underneath the wiring centre under zones 7 and 8. After connecting an additional antenna, place the jumper in the EXT position

Jumper position change must be refreshed in the memory by pressing the Reset button (short press).

MOUNTING

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Attach the back of the wiring centre to the wall.



from the wires.



Connect the rest of the wires.



Make sure that all the wires are properly connected then connect the power cord to the 230 V AC power supply - red LED diode will light up.





Identification of the wiring centre

To identify the wiring centre in the ZigBee network, follow the steps below:

In Online mode (using the SALUS Smart Home app):



Factory reset

To restore the factory settings, press and hold the Pair button for 15 seconds. G1 and G2 diodes will turn red and go out.

Note: If you restore the factory settings of the wiring centre, all paired devices will be removed from the ZigBee network - you will have to synchronize them again.

