These instructions apply to the SALUS model stated above.

**Warning**
This product must be fitted by a competent person, and installation must comply with the guidance, standards and regulations applicable to the country or state where the product is installed. Failure to comply with the requirements of the relevant guidance, standards and regulations could lead to injury, death or prosecution.

**Warning**
Always isolate the AC mains supply before installing or working on any components that require 230 V AC 50Hz supply.

**Warning**
The earth terminals on the KL08RF are for earth parking only. These terminals provide no earth protection.

**Product Compliance**
This product complies with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU, 2014/53/EU and 2011/65/EU.

The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com.
Installing and Connecting the KL08RF

Use the KL08RF wireless wiring centre to simply and safely connect thermostats and corresponding thermal actuators. The KL08RF connects to the wireless network through the UG600/UGE600 universal gateway for the internet systems and through the CO10RF coordinator for the non internet systems. One universal gateway can support up to 100 devices and one coordinator can support up to nine wiring centres, which means that if you buy more than one wiring centre, you will only need one universal gateway or one of the included coordinators. Keep the other coordinators in a safe place as spares. Install the KL08RF only in dry and closed indoor rooms. Relative air humidity in the room may not exceed 95%. Clean the KL08RF only with a dry and soft cloth. Do not use solvents or aggressive cleaning agents.

1. Remove the plastic cover. Open (and close) the four white screws with a quarter turn only. Note that screws on opposite sides turn in the opposite direction.

2. Remove the white terminal connection board.

3. Attach the back of the KL08RF to the DIN rail or wall.

4. Cut the power device cable to length.

5. Reattach the white terminal connection board.

6. Push the power wires into the round power holes.

7. Attach the white strain-relief using the two screws to secure the power wires.

8. Push the power terminal wires into the round holes at the bottom of the KL08RF. You can connect up to three actuators in each zone.

9. Push in the Pump wires at the bottom right of the KL08RF. For 230V connections follow the wiring diagram from the first page. For 100V connections, see page 2.

10. Push the Pump wires at the bottom right of the KL08RF for volt-free pump switching.

11. Push in the CO wires at the bottom right of the KL08RF for volt-free heating/cooling changeover switching. An open switch is for heating (red LED). A closed switch is for cooling (blue LED).

12. Push in the Dew Point wires at the bottom right of the KL08RF for volt free humidity sensing.

13. Make sure there is a fuse in the fuse holder.

14. Set the boiler relay, wireless, and thermal actuator jumpers at the top right of the KL08RF.

15. Jumper Setting/Positions for Pump/Boiler On/Off Delay

16. If you need to install the optional external antenna and have set the wireless jumpers to EXT:

a. Disconnect power.

b. Remove the protective cap from the antenna connection on the underside of the KL08RF.

c. Screw the antenna into the KL08RF.

17. Press the Reset button to complete this action.

18. Reconnect the plastic cover.

19. Switch on mains power supply to the unit. The red LED comes on.

20. Connect the KL08RF to your ZigBee wireless system.

21. Press and hold the Pair button on the WC for five seconds. All devices connected to the KL08RF will flash. To stop checking, press and hold the Pair button again for 15 seconds.

22. Go to the SALUS SmartHome App and press the Identify button. The device will start flashing. Stop the identify process by pressing the button from the App again.

23. Note: To delete all devices connected to the KL08RF, press and hold the pair button on the KL08RF for 15 seconds. The G1 and G2 LEDs turn from flashing red to solid red then go off. After that please press the Reset button once.

24. 6. Press the coordinator button for five seconds until the LED flashes steady red.

25. To restore the KL08RF back to factory default settings at any time, press and hold the pair button on the KL08RF for 15 seconds. The G1 and G2 LEDs turn from flashing red to solid red then go off. The final step is to press the Reset button once.

26. The default setting for the type of actuator is normally closed (NC). To change this setting to normally open (NO), carefully remove the jumper and re-insert it in the other position as shown below.

27. LED indications

<table>
<thead>
<tr>
<th>Name</th>
<th>Colour</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>G1</td>
<td>KL08RF is supplied with 230V power</td>
</tr>
<tr>
<td></td>
<td>G2</td>
<td>KL08RF is connected to the wireless network</td>
</tr>
<tr>
<td>Network Status</td>
<td></td>
<td>KL08RF is waiting to pair</td>
</tr>
<tr>
<td>Zone 1 actuators</td>
<td></td>
<td>Demand from group 1, zone 1 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 2 actuators</td>
<td></td>
<td>Demand from group 1, zone 2 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 3 actuators</td>
<td></td>
<td>Demand from group 1, zone 3 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 4 actuators</td>
<td></td>
<td>Demand from group 1, zone 4 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 5 actuators</td>
<td></td>
<td>Demand from group 1, zone 5 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 6 actuators</td>
<td></td>
<td>Demand from group 1, zone 6 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 7 actuators</td>
<td></td>
<td>Demand from group 2, zone 1 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 8 actuators</td>
<td></td>
<td>Demand from group 2, zone 2 thermostat actuator open</td>
</tr>
<tr>
<td>Zone 9 actuators</td>
<td></td>
<td>Demand from group 2, zone 3 thermostat actuator open</td>
</tr>
</tbody>
</table>

28. Power • Pump on

29. Boiler • Boiler on

30. CD • Heating mode

31. CO • Cooling mode

www.salus-controls.com Technical Helpline +44 (0) 1226 323 961