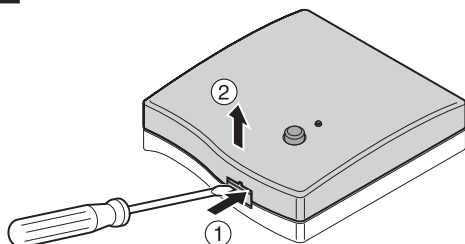


R8810A1018 Installation Guide

Wireless Receiver for OpenTherm® appliances

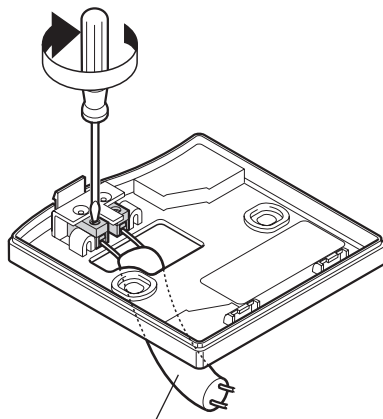
1



NOTE: The **R8810A** contains no user serviceable parts. It should be opened and installed by qualified installer only.

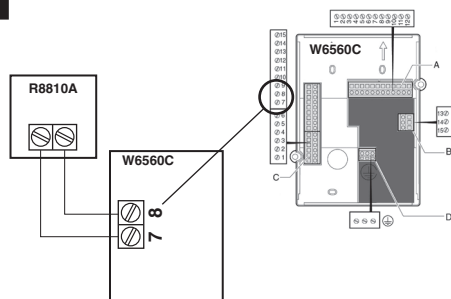
WARNING: Electrostatic sensitive device! Do not touch the circuit board.

2



max. 30m. 2 x 0.5mm² ; 2 x 0.8mm²

3



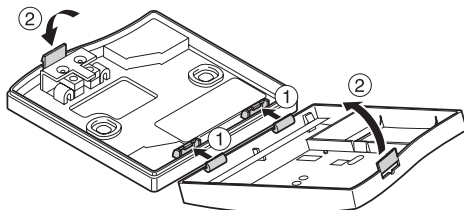
 OpenTherm® - communication

The **CM957** can be connected to other OpenTherm appliances. For the correct wiring connections refer to the installation manual of the OpenTherm device.

NOTE: All wiring must be in accordance with IEE regulations

CAUTION: Observe ambient temperature and current limits (see the **R8810A** wiring label)

4



Checking communication of system

1. Check the **R8810A** is powered by looking at the LED. It will blink red once per second.
2. Check that there is sufficient signal strength from the **Wireless Programmable Room Thermostat** by performing the following check:

Hold the **Wireless Programmable Room Thermostat** about 2-3 metres from the installed **R8810A**. Switch the **Wireless Programmable Room Thermostat** to the **OFF** mode then press the  and  buttons together with the  button for 3 seconds. The **Wireless Programmable Room Thermostat** will send test signals to the **R8810A**, flashing the green LED on every 6 seconds (relay output will remain off) for a maximum of 10 minutes. When the green LED flashes on every 6 seconds proceed to the next step.

Binding a new wireless component

1. Switch the **Wireless Programmable Room Thermostat** to the **OFF** mode.
2. Hold button on **R8810A** for 5 seconds. Red light will blink 1/2 second on and 1/2 second off when the device is in binding mode.
3. Hold , ,  and program down buttons for 2 seconds. Display will show "InSt CO", with a line of text "CONTROL BINDING". The boiler and RF signal icons will be displayed.

4. Press green  button.

5. When Red LED on **R8810A** goes off, the devices are bound.

If binding is unsuccessful, then the LED will stay on. In this case, move the **Wireless Programmable Room Thermostat** and repeat the binding procedure from the beginning.

6. Once binding is complete, switch the **Wireless Programmable Room Thermostat** back to the **AUTO** mode, the LED on the **R8810A** will flash green every 10 seconds to indicate that the device is live.

Communications Loss

If the communication is lost for a period of 1 hour the red LED will flash to indicate that no messages have been received during the last hour.

In the event of a communication loss signal, then please check the following and remedy as necessary:

1. Check the wiring between the **W6560C system controller** and correct if a fault is found.
2. Check the RF communication between the **Wireless Programmable Room Thermostat** using the method described above, and follow the check and binding procedure.

NB: If a wireless outdoor temperature sensor type HB85 is installed, check the batteries and replace as necessary before following the communication loss procedure.

Electrical Guidance and Safety

- The **R8810A** has been manufactured in accordance with the following standards:

EN60730-1, EN60730-9

- When performing any work with this product (installation, mounting, start-up), all instructions given by the manufacturer and in particular the safety instructions provided in the Installation instructions must be followed.
- Ensure that the **R8810A** wireless receiver is installed by a competent person.
- Ensure that the **R8810A** wireless receiver is installed according to local electrical regulations.
- Ensure that low voltage signal cables are kept as far apart as possible from AC mains voltage cables.
- If the **R8810A** is modified in any way, except by the manufacturer, all warranties concerning operation and safety are invalidated.

