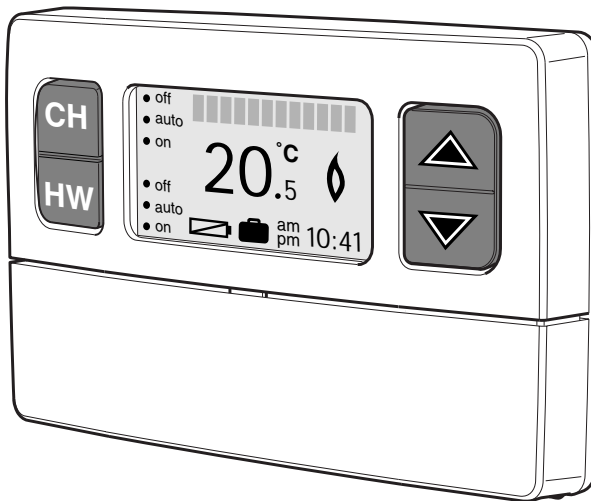


Installation instructions

ModuLink 250 RF - Twin channel modulating programmable room thermostat



24 Volt only

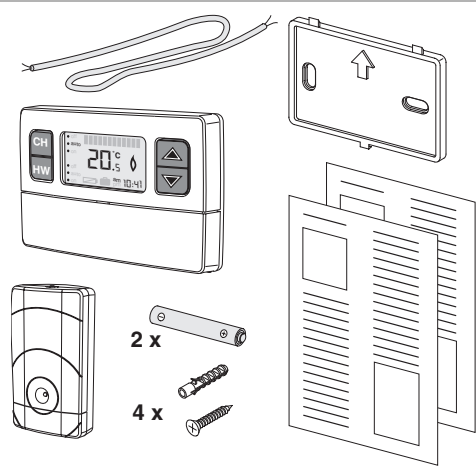
Buderus

**Please read thoroughly before installing the unit.
See boiler installation instructions for more details**

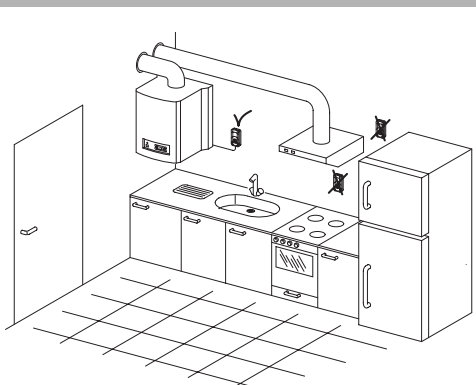
Installation, maintenance and repair must be carried out by a competent person (e.g. Corgi Registered) and in accordance with current IEE wiring regulations.

The twin channel ModuLink can be fitted on all Buderus or Buderus appliances with an external control unit from the following types: UBA1.5, UBA3.0 and DBA.

1 Contents of package



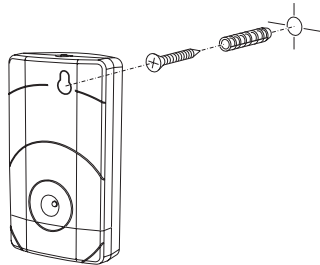
2 Installing the receiver



Install the receiver as suggested in the installation instruction of the boiler.

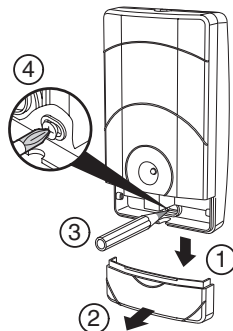
If you encounter interference problems, then install the receiver away (30 cm is advised) from the boiler or other metal objects including wall boxes.

3



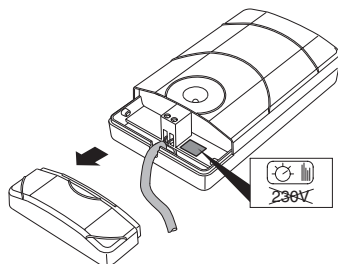
Drill a hole, insert the plug and mount screw. Place receiver over the mounted screw.

4



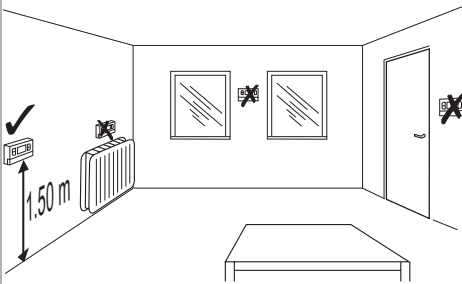
Remove casing (1 and 2). Mark the hole (3) for the second screw with a pencil. Remove the receiver, then drill a hole for the plug. Refit the receiver and mount the screw (4).

5



Attach cable (not thicker than 2.5 mm²) to the receiver. The wires are not polarity sensitive. Attach the cable to the boiler. See installation instructions of the boiler for more information. **Warning! DO NOT connect the cable to 230V.** When installed correctly a green LED appears on the receiver.

6 Installing the room thermostat

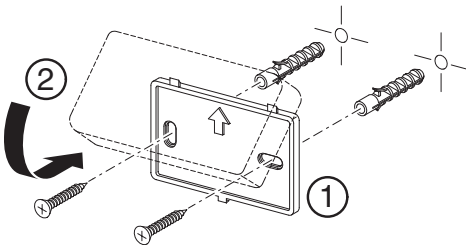


The room thermostat should be installed in:

- in an open space
- in the main living area
- on an inside wall
- away from light and heat source
- away from RF interference
- away from direct draughts
- away from damp and condensate
- away from large metal surfaces
- at least 1m away from electrical equipment.

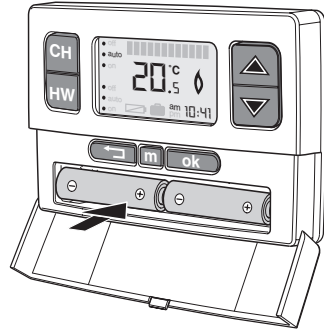
Due to the building regulations the thermostat should not be placed in an area with TRV (temperature radiator valves).

7



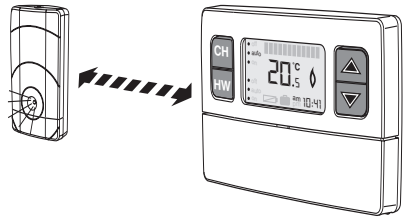
Attach the wall bracket (1) to the wall and click on the thermostat (2).

8



Place the batteries in the room thermostat.

9 Start up



There is no requirement to setup the RF link between the thermostat and receiver. This has been completed as part of the manufacturing process. The room thermostat sends a signal to the receiver at least every 30 minutes to see if they are still in contact with each other.

A green LED can be seen on the receiver. If you want to test whether you have reception throughout the house then press the **m** button on the thermostat for more than 5 sec. It will now send out a signal continuously (The LED on the receiver flashes green and the thermostat shows connecting in the display). Walk around the house with the thermostat to check the reception. Maximum signal range is approximately 30 meters. Range may decrease according to building wall construction. Someone will need to stay with the receiver.

The LED on the receiver will turn red (stops flashing) when the thermostat is out of reach. Reposition the receiver if necessary for better reception. The receiver will stay in this test mode until the **←** button on the thermostat is pressed.

10 Communication loss

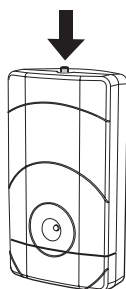
When there is a communication loss for longer than 35 minutes, then the LED of the receiver will turn red. What to do:

- Check the batteries (2 x 1.5V - AA - **Alkaline** batteries) of the thermostat and change them if necessary.
- Make sure that the room thermostat is within reach of the receiver.

11 Temporary manual override

When there is a communication loss it is possible to manually override the thermostat.

To override the thermostat press the button on the receiver.




Keep in mind that the boiler will now operate continuously (until the button on the receiver is pressed or until communication has been restored) according to the set flow temperature. Adjust the flow temperature of the boiler if so desired.

The LED on the receiver will be intermittent red and green during the manual override.

12 RF link - reconnecting

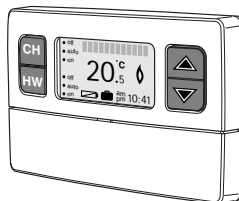
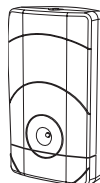
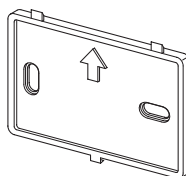
When one component has been replaced (e.g. receiver), then it is necessary to restore the communication by entering the RF link connecting mode. Make sure that the thermostat is within reach of the receiver.

Press **m** on the thermostat for longer than 5 seconds. The thermostat's display will now show a rotating dash while connecting. The receiver LED flashes green. Press the button on the receiver to accept the connecting to the thermostat. The LED on the receiver is now continuously green.

Press the  button on the thermostat to stop the thermostat's connecting mode.

13 Spare Parts

part	order no.
wall bracket	NE 18212
receiver	NE 18211
thermostat	NE 18210



14 Regulations

EC directives:

Low Voltage Directive (73/23/EEC)
 Electro Magnetic Compatibility
 Directive (89/336/EEC)
 CE Marking Directive (93/68/EEC)



Related Standards:

BS EN607730-1

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