

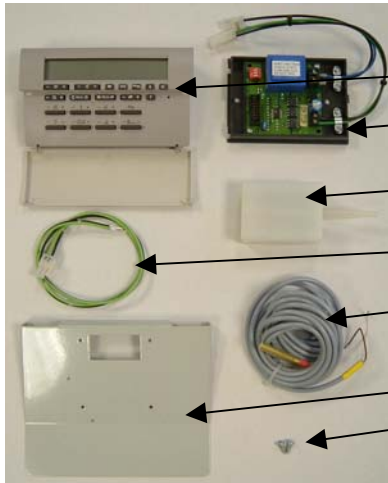
rematic® SR5240 Fitting Instructions



Remeha Quinta 30 / 45 / 65 / 85



SR 5240 Kit Components (Part No. KT001)



- SR 5240 CI *rematic*® Control
- rematic*® Interface Part No 55473
- Outdoor sensor Part No 38467
- Connector and Cable
- DHW immersion sensor Part No S43946
(Note the red band)
- Boiler Mounting Plate
- Mounting plate screws (2)
- Documentation (not illustrated)

IMPORTANT NOTE

The boiler must be electrically isolated before any work is carried out

If the control is mounted in a suitable reference room within the building remote from the boiler

- Discard the boiler mounting plate, screws & cable
- Mount control on a vertical wall 1.5M from floor and away from direct external heating source
- Fit *rematic*® interface in boiler as in page 5 of the following instructions
- Mount outside sensor on a North facing wall in a sheltered position (out of the sun)
- If DHW is being controlled by the boiler fit DHW sensor in calorifier
- Wire sensors back to the boiler terminal strip as detailed on page 6



If the control is to be mounted in the boiler the following instructions apply



Drop down lower (grey) cover and remove the two securing screws from the left hand door.
(retain for re-securing)



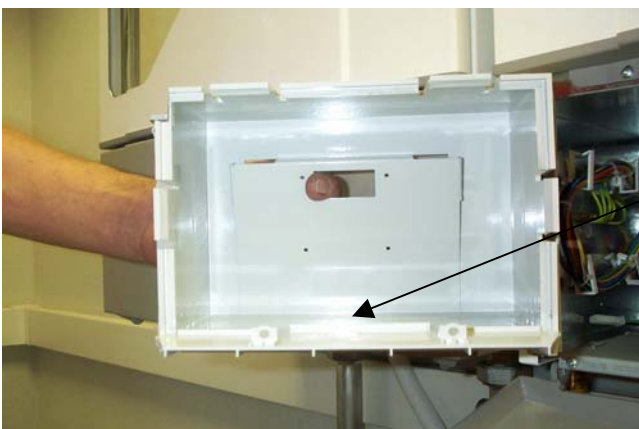
Open both doors to reveal main electrical compartment and site wiring connections. Unclip rear plate on the left hand door.



Gently prise back the 4 plastic retaining clips and remove the steel closing plate from the back of the left hand door.



Remove the plastic cover from the front of the left hand door (push free from the back)



Fit Boiler mounting plate - from the inside slide plate into lugs downwards locating the bottom edge into the lower slot



From the front attach the wall base plate using 4 screws supplied onto the boiler mounting plate previously fitted



Fit cable as shown with the plain ends through the hole.



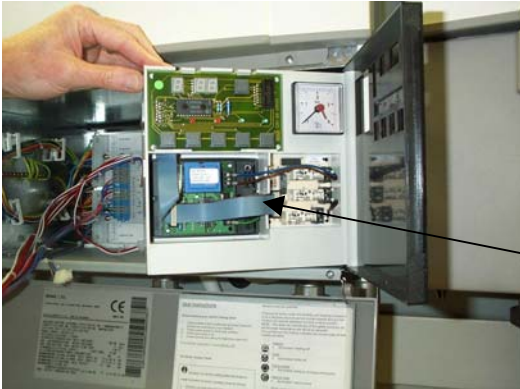
Connect cable to the terminal strip, black on 6, green on 5. Connect the plug K2 to boiler plug K2 (female) L/H side of compartment in main wiring harness



Replace the steel closing plate in the back of the door (taking care that the wires are located in the cut out)



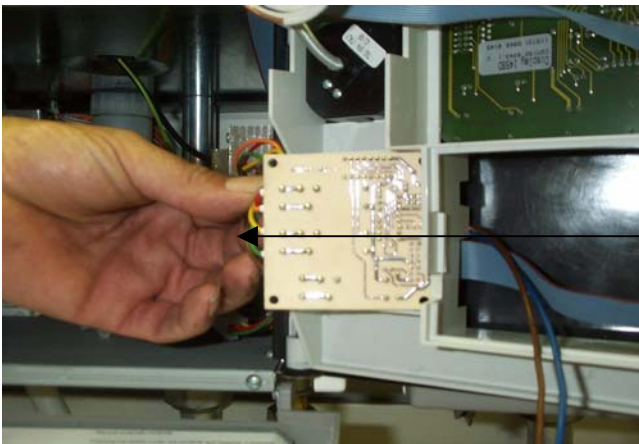
Fit the SR5240 C1 control unit onto the wall plate (push fit)



Open the R/H door and front smoked grey panel to reveal both sides of the standard interface.

Unplug all connecting cables on the interface
Release the interface from its mounting using a flat bladed screw driver on the R/H of the board (from the smoked grey panel side).

Remove the interface



Release the L/H PCB (unclip from it's mounting and leave loose)

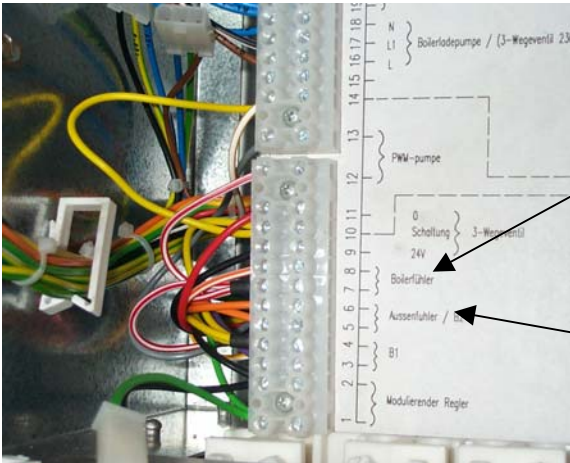


Fit new **rematic**® interface and place the top pair of cables in the position shown.

Pass connector and cable through slot by the PCB, (the bottom cable and plug pass out through the back).



Re-connect data cable to **rematic®** interface and re-fit PCB



If DHW is being controlled by the boiler fit DHW sensor in the calorifier and wire back to terminals 7 and 8 using 0.75mm multi strand cable (screened if run with power cables) maximum length of 100M

Fit outside sensor in a sheltered position on a north facing wall. Connect to the boiler's main terminal strip (terminals 5 & 6) using 0.75mm multi strand cable (screened if run with power cables) maximum length of 100M



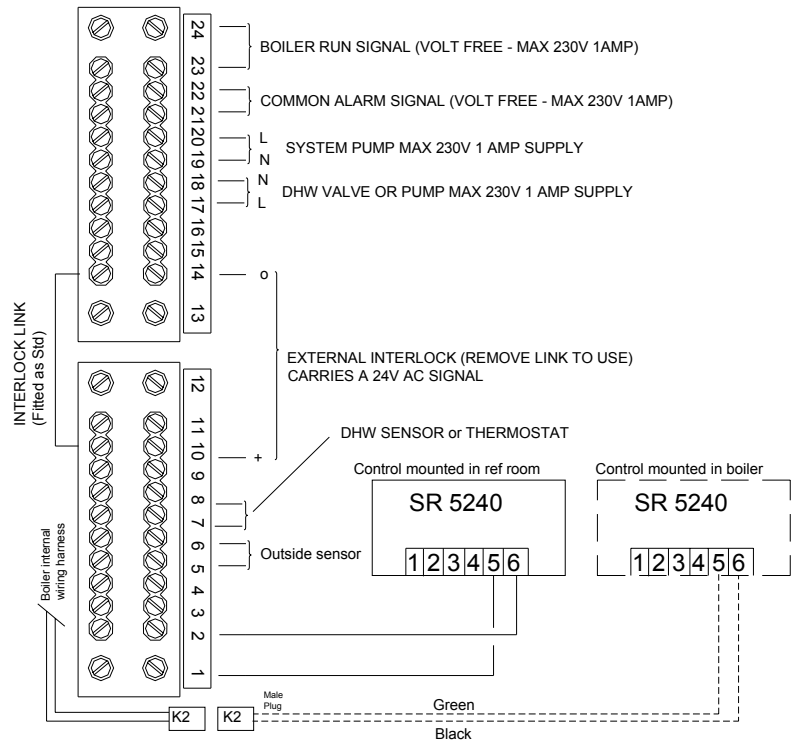
Plug **rematic®** interface cables into mating boiler plugs as follows.

X18A (interface) to X18 (boiler)
X19A (interface) to 19 (boiler)



Close both doors and secure with the 2 existing screws.
Place Instructions in the door pocket with the boiler booklet
Close the drop down cover
Ensure that the boiler control interface selection Code **9** is set to **01** (external interface)

Re-establish power supply and set up control to suit the design parameters of the system and the occupancy time requirements – see technical information supplied



QBW0004-A NOTE: Quinta 30 terminal numbers are reversed

Typical Wiring Detail for Single Boiler, Heating and Priority DHW using a *rematic*®SR5240

(Optimising/Weather compensated HTG with timed DHW)

Power Supply

- Boiler requires a permanent 230v single phase supply fused at 6 amps connected to the Euro plug (supplied with the boiler). Note: socket is located on the underside of the boiler

Boiler Interlocks (for pressure switches etc.)

- Safety Interlock - Remove exist link and fit Volt free switch pair on 10-14. If circuit broken the boiler will go to a shut down mode displaying code **6 2 6**. Will restart when circuit is closed

Indication Controls (to report actual function)

- Common Alarm - volt free relay, opens on alarm or power failure Terminals 21 and 22
- Boiler Run - volt free relay, closes on run Terminals 23 and 24
- Output to BMS to confirm power supply OK - 230v Terminal 16 and N
- Output to BMS to confirm internal control supply OK - 24v ac Terminals 10 and 11

Boiler Control Settings (see section 6.5 in technical documentation)

- Set boiler code **1** to required flow temp ie: 81 = 81°C (system design requirements)
- Set boiler code **R** to **1 1**, Internal modulation - HTG on DHW on
- Set boiler Interface selection code **9** to **0 1** (external interface)
- DHW Control, Diverting valve option - Set boiler code **1** to **0 0**, (A=HTG and B=DHW), set required DHW secondary temperature code **3** to required temp ie: **5 5** = 55°C
- DHW Control, Primary Pump option - Set boiler code **1** to **0 1**, set required DHW secondary temperature code **3** to required temp ie: **5 5** = 55°C

For suitable system layouts and more information on controls please refer to the Quinta Series "Suggested Schematics with Control and Power Wiring Details" booklet also available from Broag



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