Rad Master
Quick Commissioning Manual

Full Zone

Title Page

IMPORTANT
Before Switching ON

CHECK
FOR ANY
ELECTRICAL
SHORTS

Check for any shorts

Use a DVM (Digital Volt Meter) and check for any shorts between A,B,G,V,
typically if there are no shorts the reading will be approx 1kΩ or greater ,
if there is a short the reading will be approx 1-10Ω
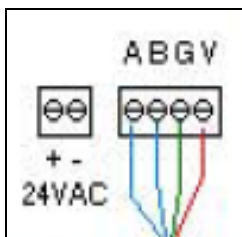
Pass   Approx. 1000Ω or greater
Fail   Approx. 1-10Ω

Note :
  ➢ Between 24v + & - there is always a shore because this travel trough the transformer
  ➢ Detach the cable attached to 24v +and then check for a short between the 24v + cable & 24v -.

PLUMBING

Automatic by-pass circuit fitted & tested ☐

The DHW valve is fitted in the direction of flow ☐

The system has been pressurized to check for leaks and none have been found. ☐

The DHW probe located ¾ down cylinder – good contact cylinder metal body ☐
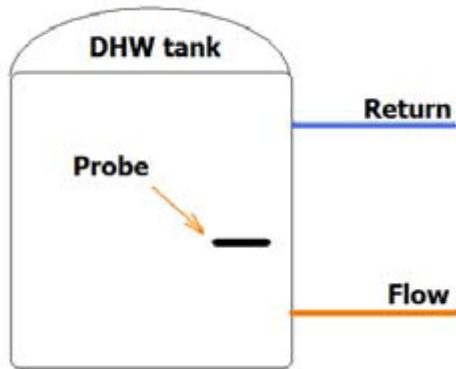
ELECTRICAL

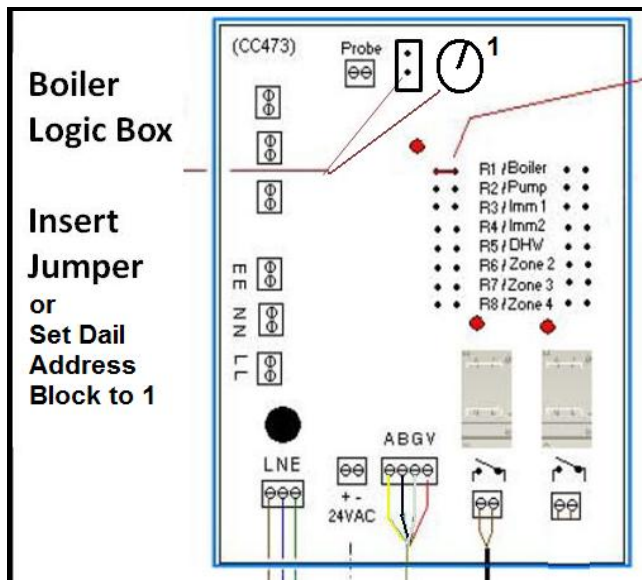Check for any shorts across ABGV   ☐
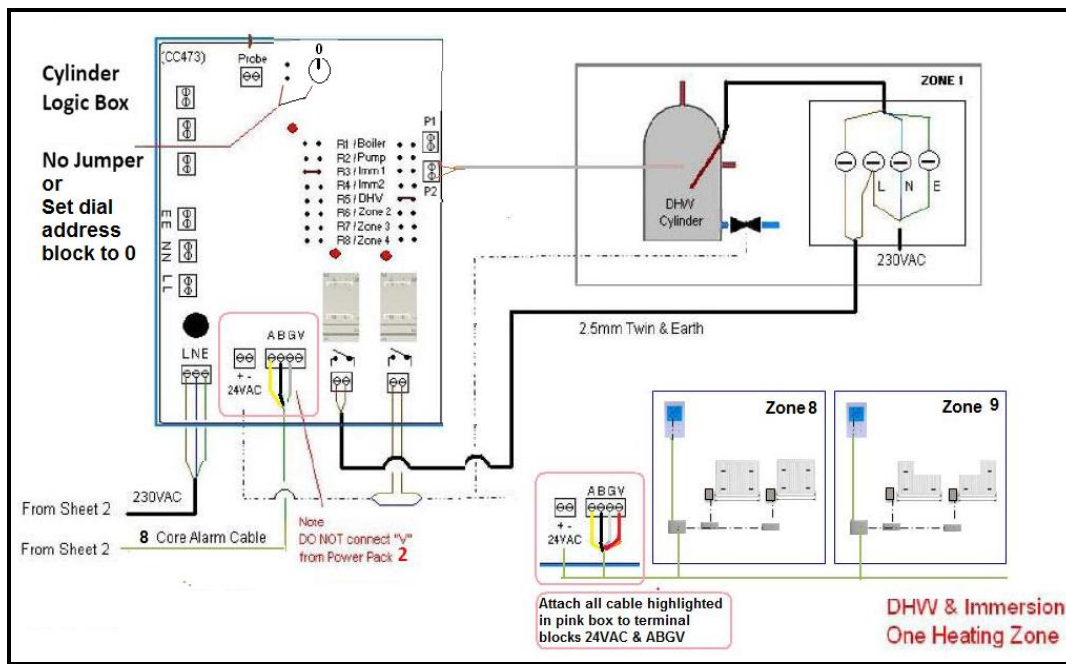
Boiler Relay Board

➢ Address (Jumper In) or (Dial set to 1)   ☐

➢ Boiler Relay Jumper fitted   ☐

Cylinder Relay Board

Note: If only one board fitted it must be the cylinder board because of the probe)

➢ Address: (Jumper Out) **or (Dial Address Block set to 0)**   ☐

➢ Cylinder Probe attached to Cylinder Relay Board - Connector P2   ☐

➢ Cylinder Relay Board – Comms cable (ABGV), V not attached   ☐

Mechanical Stat Attached to P1 (Top of PCB)   ☐
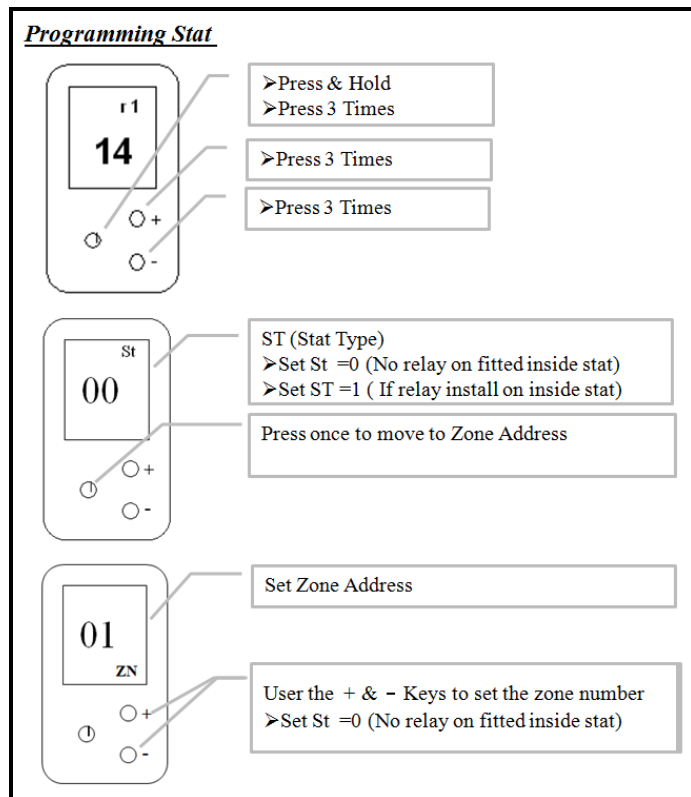
Mechanical Stat set to typically 30°C   ☐
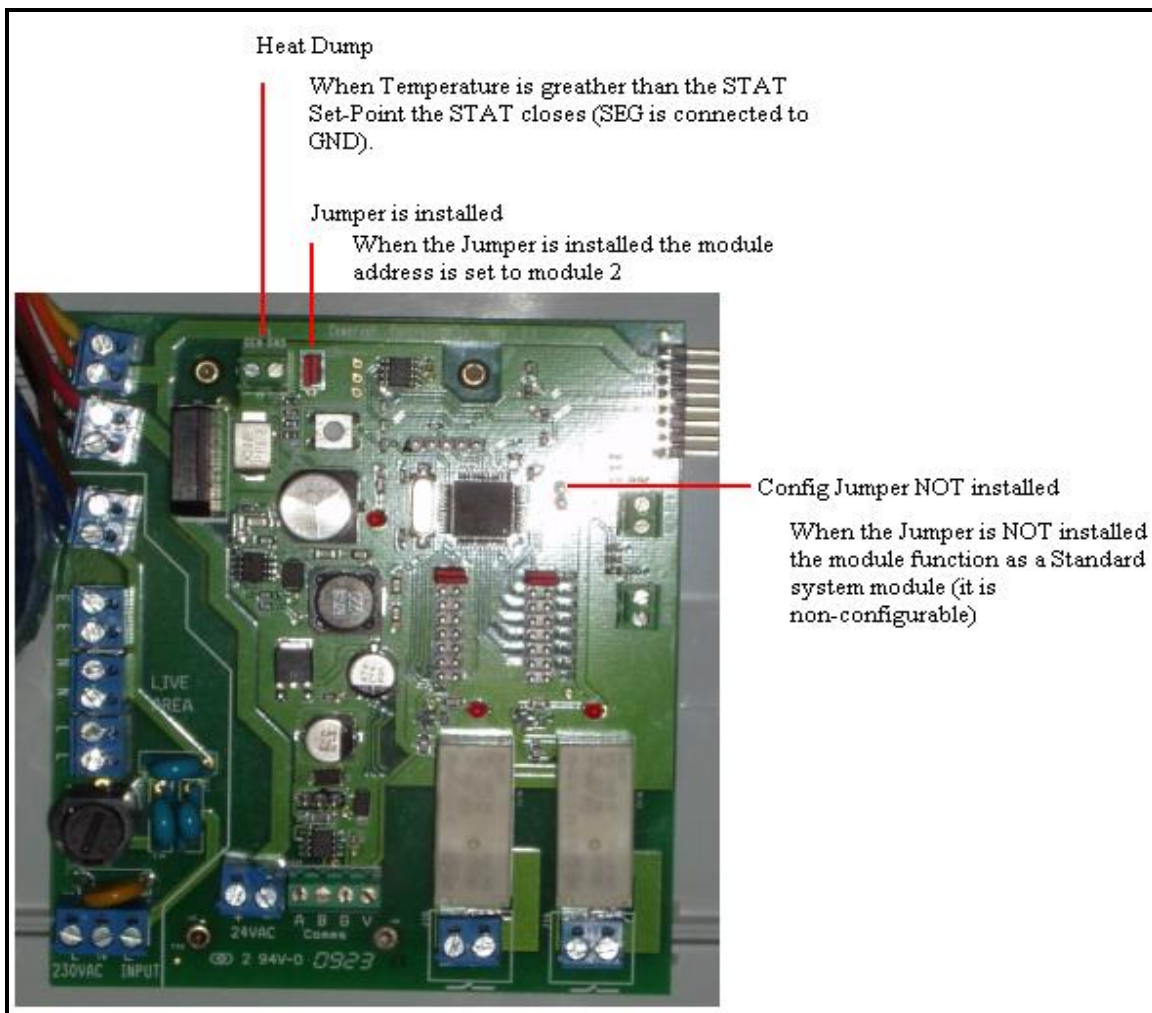
Overview:

Heat Dump will override zone control and activate all zone outputs (open all actuators), turn off the boiler and immersions.
Not applicable in Config Mode

SENSORS

Set address   ☐

Set Type (Relay - Set ST to 1) (No Relay - Set ST to 0)   ☐

Programming Stat

r 1

14

○ +
○ -

- ➢ Press & Hold
- ➢ Press 3 Times

- ➢ Press 3 Times

- ➢ Press 3 Times

St

00

○ +
○ -

ST (Stat Type)
- ➢ Set St =0 (No relay on fitted inside stat)
- ➢ Set ST =1 (If relay install on inside stat)

Press once to move to Zone Address

01
ZN

○ +
○ -

Set Zone Address

User the + & – Keys to set the zone number
- ➢ Set St =0 (No relay on fitted inside stat)

Overview:
Each Stat must have it's own unique zone number programmed
- • Zone 1 – Default to DHW
- • Zone 2-32 are for heating
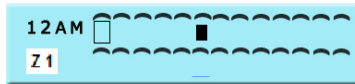Follow step indicated on the chart to program the stat

CONSOLE

➢ Set DHW BOOST on Saturday morning at 5am ☐

Press 1 (DHW Zone)

Press `ZONE`

Display Shows DHW Schedule `12AM [schedule display] Z1`

Press `8 ↓` to move to Sat

Use the `4 ←` and `6 →` buttons to move to the desired hour - 5am

Press `HW` to select **Boost Heat**. Note ∧ symbol will be displayed for that hour

➢ Set number of zones. (change from 32 to actual no zones) ☐

Press MODE and HOME keys together . Display Shows
```
***4567890123456
1234567890123456
```

Press MODE button until Display shows
```
En  P1
0000
```

Press `←` until P08 is displayed Display shows
```
En  P8
0016
```

Use the numeric keypad and enter the number of zones followed by `←`

Press `HOME` key to exit

Note En P1- En P7 should be set to 0000

➢ Time and Date are set at the console ☐

Press `TIME` key . Console Displays
```
Time       09:40
25/02/06   < FRI >
```

Move brackets press `4 ←` and `6 →`.

Change value press `2 ↑` or `8 ↓`

SYSTEM

➢ <u>Set temp for each zone</u> ☐

    At Console
    Enter zone number
    Set value by pressing [2 ↑] or [8 ↓]

➢ <u>Setup schedule for each zone</u> ☐

    Enter the Zone Number   Display Shows

```
Zone 1
Z1    18.0    OFF
12AM ‿‿‿‿‿‿‿‿‿‿ ⫿⫿ ‿‿‿‿‿
Z5   ⫿⫿⫿⫿⫿ ‿‿‿‿‿‿‿‿‿
```
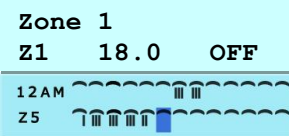
    Press [↵]   Display shows

    Use the [4 ←] and [6 →] buttons to move to the desired hour

    To time heat for the entire hour press [5 •]

➢ <u>Check communication to each zone (Press Home & Mode together at console)</u> ☐

```
***4567890123456
?234567890123456
```

    Press MODE and HOME keys together .   Display Shows
    If * display, sensor is communication with the console
    If the number displayed, this sensor failed to communicated with control

➢ <u>Ensure each zone open it's respective radiators.</u> ☐

    Use the advance button on the sensors to call for heat in that room
    Check to see if the rad heats
    Note: 3 Min delay on 1st call to boiler to allow time for the actuators to open

➢ <u>Ensure the boiler activate 3 min after any zone call for heat.</u> ☐

    Check boiler is operational

SIGN OFF

Commissioning Date	
Installer	
Home Owner	