Braemar HEATING COOLING

Button functions

ON/OFF

Backlight   Temperature setting

Display

Heating mode

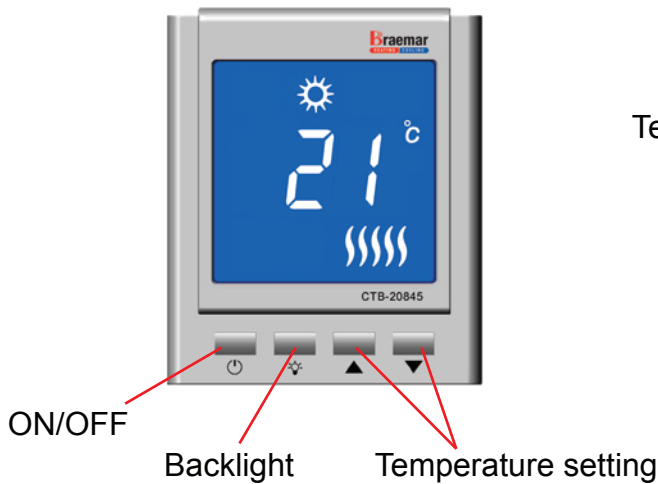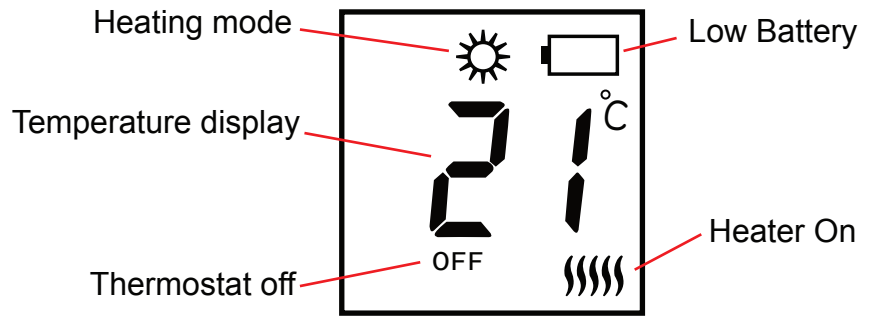Low Battery

Temperature display

Heater On

Thermostat off

TURNING HEATER ON & OFF	ADJUSTING TEMPERATURE
Turning your heater ON: - Press ON/OFF button - Heater and room fan will start after a short delay (approximately 30 to 60 s) provided the set temperature is greater than the room temperature **Turning your heater OFF:** - Press ON/OFF button - The heater will turn off - The room fan will turn off after approx' 60 to 90 s	**Increasing the set temperature:** - Press UP ARROW button - the displayed temperature will change to set temperature and flash - Each press of the UP ARROW button increases the set temperature by 1°C **Decreasing the set temperature:** - Press DOWN ARROW button - the displayed temperature will change to set temperature and flash - Each press of the DOWN ARROW button decreases the set temperature by 1°C

REPLACING THE BATTERIES

- When the battery symbol appears new batteries are required
- Un-clip the bottom of the front of the thermostat and pull forwards
- Fit 2 x AA batteries and clip front of thermostat back in place (note direction of battery '+' and '-')

⚠️ **Important safety information** ⚠️

THIS APPLIANCE MUST BE INSTALLED AND SERVICED BY AUTHORISED PERSONNEL ONLY.

DO NOT: Operate this appliance before reading these instructions.
DO NOT: Place articles on or against this appliance.
DO NOT: Use or store flammable materials near this appliance or its flue terminal.
DO NOT: Spray aerosols in the vicinity of this appliance or its flue terminal while it is operating.
DO NOT Operate this appliance with any parts removed.
DO NOT: Modify this appliance.

For 3 star heaters, it is recommended that a flue guard be fitted where children may be able to touch the flue terminal - flue guard part No 079073.

TROUBLESHOOTING GUIDE

Problem	Potential cause/remedy
House is not heating effectively	- Check thermostat is set to required temperature - increase if required. - Check outlets are open to all areas that require heating. - Check that return grille is not obstructed. - Check that return air filter (where fitted) is clean - cleaning every 2 weeks is recommended. - Check that external doors and windows are closed.
Heater does not start	- Check thermostat is set above room temperature. - Reset the heater - turn thermostat OFF ON-OFF-ON with a 5 second wait at each step. - Check that gas is turned on at gas meter. If gas is turned off contact your installer or gas supplier.

If required, call Braemar Service on 1300 650 644.
For spare parts call 1300 367 437.

Braemar HEATING COOLING

1. Thermostat wiring

Connection between thermostat and Braemar Gas Ducted Heater is shown below.

CTB-20845S thermostat

The connection point on Heater Circuit Board

The connection point for thermostat
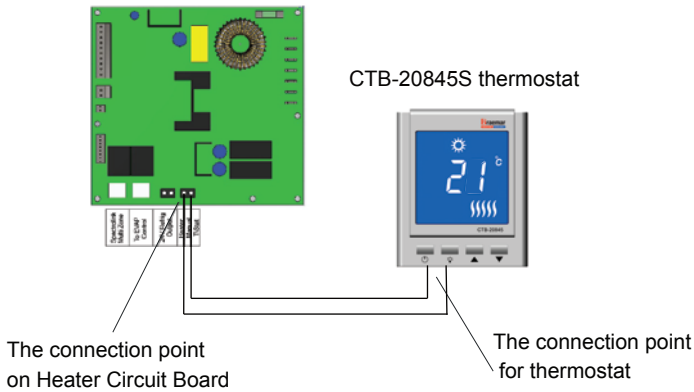
Note: ★ No polarity requirement for the thermostat wiring.

Wiring

PCB as below

Reset

Thermostat connection point to Heater
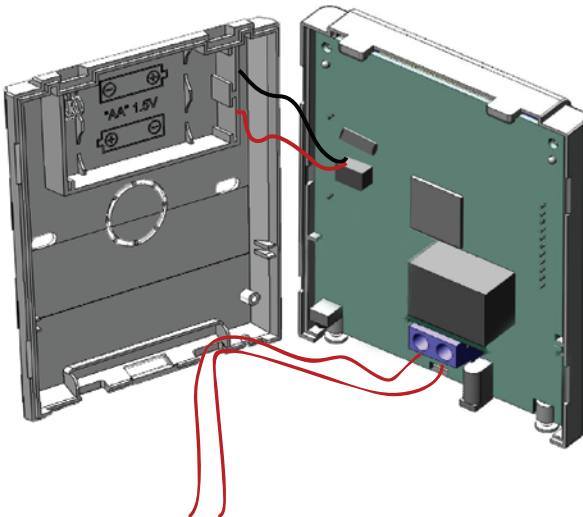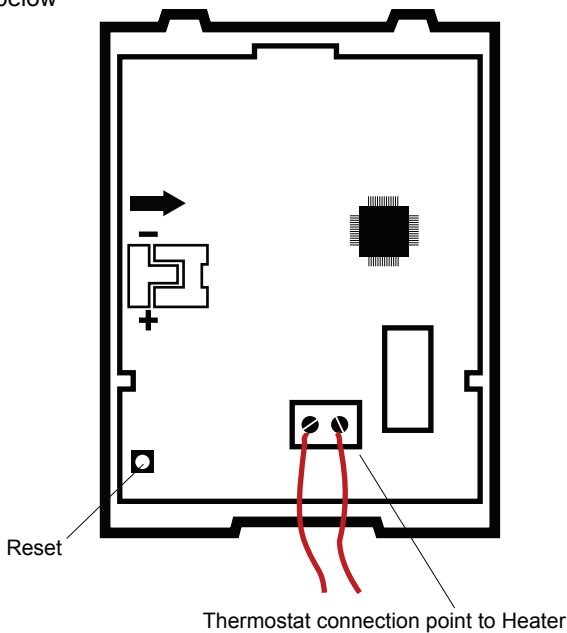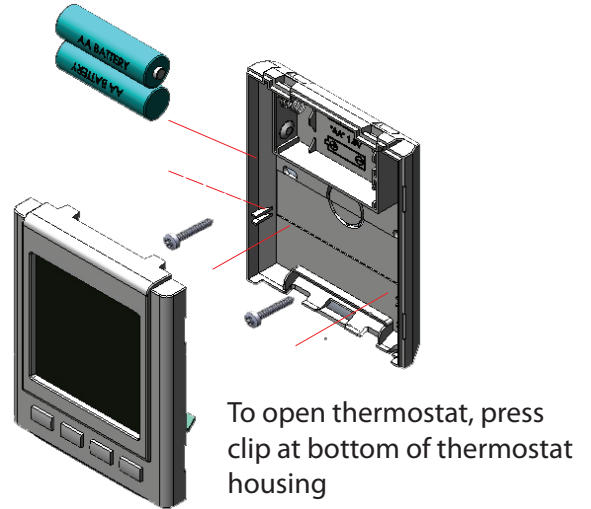
2. Thermostat installation

To open thermostat, press clip at bottom of thermostat housing

Thermostat location:
- Thermostat should be located central to the main living area approximately 1.5m above the floor. The main living area should be confirmed with the occupants.
- Avoid direct sunlight.
- Avoid mounting on an external wall.
- Avoid mounting near heat sources such as stoves, televisions, etc'
- Do not locate in air stream from an outlet register.
- Do not locate in draughty areas.
- Do not locate in hallways.
- Do not locate adjacent to the return air grille.
- Always fill cable entry hole in wall.

3. Thermostat specifications

- 0 to 36Vac 50/60Hz or DC.
- 0.05 to 1.0Amps(Load per terminal)
- 1.0 Amps Maximum Total(All terminals)
- Power source : Battery powered, 2x1.5V AA cells
- Battery life : 1 year typical
- Protection class : IP30
- Switch function/capacity : 36V AC or DC, 1.0A Maximum
- Temperature setpoint range : 5℃ - +35℃
- Temperature display range : -9℃ - +50℃
- Temperature control accuracy : 1℃
- Returned temperature : 2℃
- Storage temperature range : -20℃-+70℃
- Enclosure size: 100mm(L)x85mm(W)x25mm(H)
- Weight: 180g(excluding the cells)

4. Thermostat schematic

Gas Ducted Heater

Relay
1A 36V DC/AC maximum

Thermostat

Thermostat connection point at Heater

Thermostat connection point