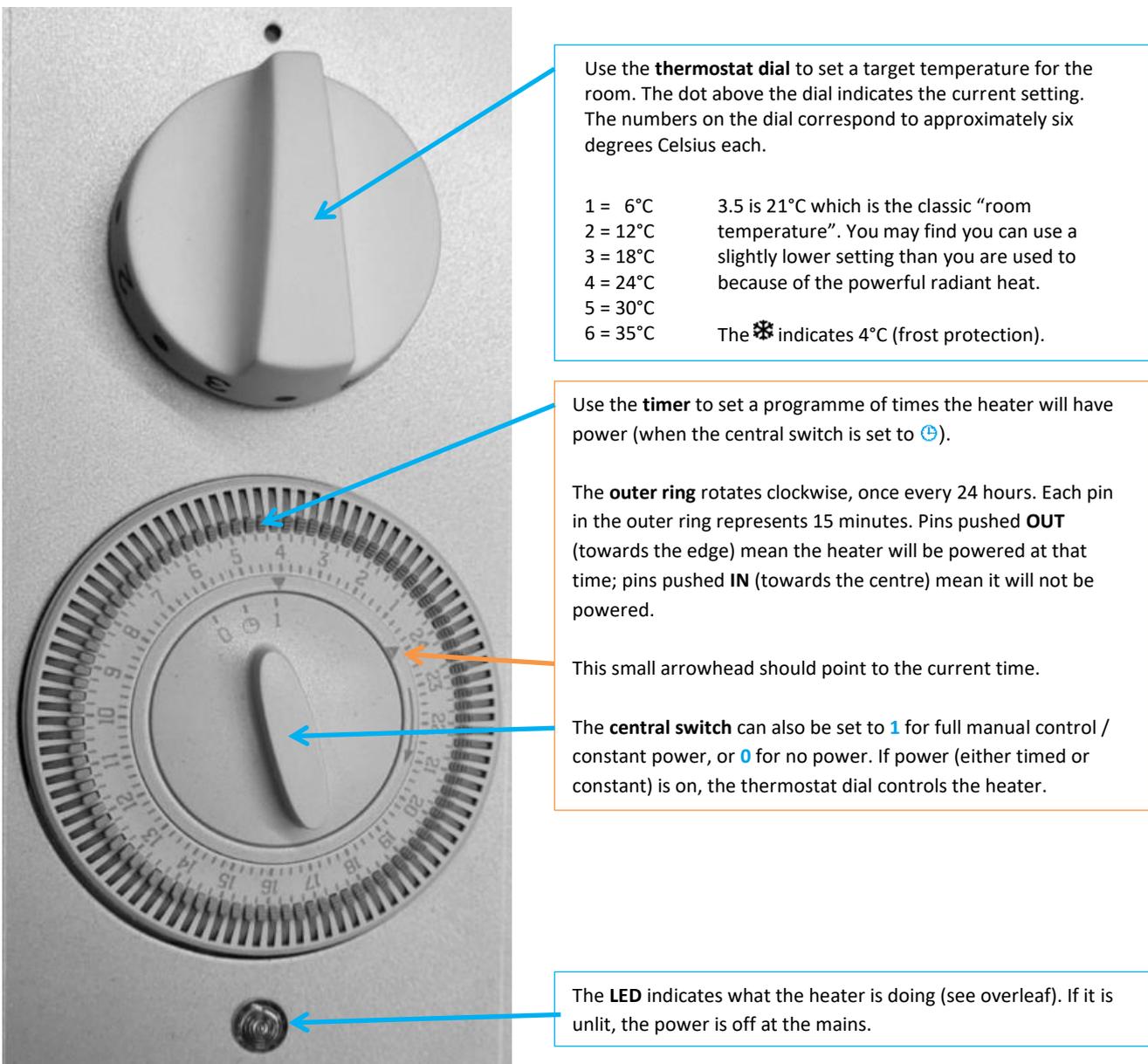


Instructions: Manual Controls

Basic concepts

- 1) Your heater will only use electricity if the **target** temperature is higher than the **actual** temperature.
- 2) As the target is reached, the heater will **power down**, trickle-charging as required to keep you warm.
- 3) You set your target temperature using the **thermostat dial**.
- 4) You also have a mechanical **timer**, which turns the power on and off at specific times of day.

Overview of manual controls



Remember the heater is thermostatic. The heater can be on at the mains, but the heater will only heat if a) the timer is providing power to the heater, b) the target temperature is above the actual temperature.

Thinking about your own programmes

Control is the key to successful and effective home heating. If you heat rooms as and when you need to, you should improve your comfort level and avoid wasting energy on un-needed heating.

- For a bedroom you may only want heat for an hour or two in the morning and evening. These times can be different for different members of the household. Try the dial at 3 for this.
- For a lounge you may want the heating on from morning to evening, but can manually turn the thermostat dial up to 3.5 first and last thing, with the timer switching the heater off overnight.

Setting a programme

When you have decided what your programme will be:

- 1) Ensure the **central switch** on the timer is pointing to the **timed power**  setting.
- 2) Push the pins **OUT** for the times you want heating on. Push pins **IN** for times you want no heating.
- 3) Rotate the **outer ring** until the arrowhead (see previous page) points to the current time.
- 4) Set the **thermostat dial** to the target temperature you want while the timed power is on.

So long as there is mains power to the heater, it will aim for the target temperature at times when the timed power is on. It will not consume power during 'off' times, regardless of the thermostat dial setting.

Full manual control

If you want to forget about programmes altogether, and just run the heater using the thermostat; or if you want heat in a hurry, without changing the timed programme on the clock:

- 1) Turn the **central switch** to **1**.
- 2) Set the **thermostat dial** to the target temperature you want.

Remember to turn the thermostat down (or, if this was a temporary measure, the central switch back to timed power ) when you are done, to avoid heating the room unnecessarily.

Turning the heater off

Simply turn the **central switch** to the **no power 0** setting. No matter what time it is, or what the thermostat dial is set to, the heater will not come on. The clock, however, will keep track of the correct time so long as there is mains power to the heater (i.e. it's on at the wall).

The LED – how your heater is using electricity

There is an LED on the side of your Sunflow Invincible heater.

- If the light on the side of the heater is **red**, it is using electricity.
- If the light on the side of the heater is **amber**, the room is close to target temperature and the **Powerdown** feature is active – using electricity, but only intermittently.
- If the light on the side of the heater is **green**, no power is being drawn – any heat you feel is stored in the heater.

When the light on the radiator is **green**, no power is being drawn by the heater. Any warmth you feel is from heat stored in the kiln clay, keeping consistent radiant heat with only occasional topping up.

Scan the QR code below to be taken to a video giving further information about Powerdown:



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