

## Glasshouse Temperature Controller TC-6



**Control  
temperature  
economically  
and safely**

**The Heron TC-6 provides an ideal solution to reliable, economical and accurate temperature control of one glasshouse.**

The TC-6 temperature controller can operate:

- Two boilers (main and stand by)
- Two glasshouse vents.

The following Heron sensors are available for the TC-6 controller:

- Inside temperature sensor
- Outside temperature sensor
- Outside wind speed and direction sensors
- Raining sensor.

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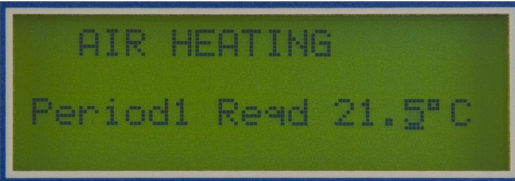
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# System Features

The TC-6 will control temperature accurately and economically. The menu driven display makes it easy to use and by setting options the TC-6 can be customized to match your application. The TC-6 also includes a comprehensive range of alarm and warning conditions with all events logged.



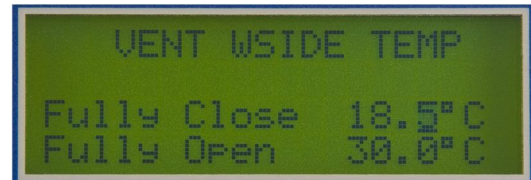
Heating control is for ON/Off heating with the option of a main and standby heater (A and B heating).



- Up to four temperature periods can be set during the day.
- Option to start the heating period and end the heating period using astronomical time
- Inside temperature is measured to an accuracy of 0.1 deg. C.
- For greater accuracy the TC-6 monitors the actual temperature and the gradient temperature. Measuring the gradient temperature enables the temperature rise to be predicted and the heaters to be switched off early.

The TC-6 can also control the glasshouse vents, either with or without heating. Two vents can be controlled, this would normally be the wind side and lee side vents. Vent control features include:-

- Independent temperature settings for the wind side and lee side vents.
- Up to 10 vent opening positions can be programmed.
- Total vent open and close time can be individually specified.
- Vents can automatically close on wind and/or rain.



# Sensors

Heron produces a range of sensors to measure inside and outside temperature, rain, wind speed and direction. All Sensors can be installed up to 60 metres from the controller.

All Heron sensors have digital outputs, ensuring that :

- They are immune from electrical noise.
- They are fail safe.
- The wiring between the controller and the sensor is simple.

All sensors are compatible with Heron's larger Et environmental controllers so your investment is assured.

# Hardware Features

- Internal mains transformer
- Two digital sensor inputs (all sensors can be connected to these two inputs.)
- Six 24VAC outputs with a total output current of 1A.
- All outputs are protected by an electronic overload.
- The function of each input and output is user configurable.
- One fail safe alarm output.