

TEMPERATURE CONTROLLER

0-10VDC

NEW PRODUCT

E14-P.



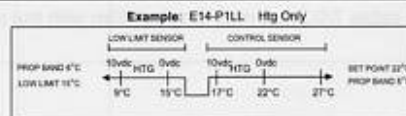
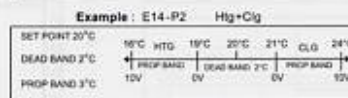
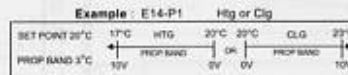
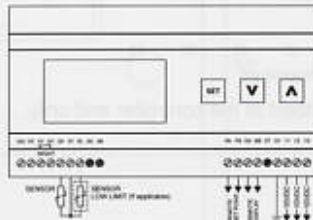
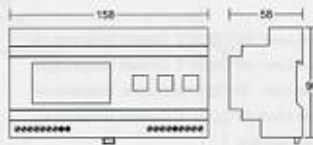
The E14 Temperature controller is a fully digital controller which can be configured with 1, 2 or 3 0-10VDC outputs and other optional features such as proportional + integral control and low limit. Night setback is standard (time switch not provided).

A clear LCD display is provided to guide the user through set up and verification. The product is totally enclosed to IP54 as standard.

Temperature sensors from the E10 family should be selected and accessories such as a Digital Setpoint Adjuster and Digital Display are available for use with the E14.

Supply	24VAC/DC
Temp range	-20 to 110deg C
Temp resolution	0.1deg C
Prop band	1 to 15degC
Dead band	0 to 10degC
Integral time	0 to 300s (E14-P..I only)
Output	1, 2 or 3 x 0-10VDC
Output resolution	0.1VDC
Night setback range	-20 to 110 deg C
IP rating	IP54

DIMENSIONS AND WIRING:



Sensor cables should be screened cable 7/0.2 mm max length 100m with the screen earthed at the controller end only.

SETTINGS:

Setting the Control mode

Whilst holding the **V** push button turn the power on.

The display will show SET and CONTROL MODE.

Use the **AV** to scroll through the modes and confirm with the SET push button the mode required.

The controller will then begin to operate normally

Setting of Set Point, Proportional band etc

With the temperature indication displayed press the SET push button to step through the desired parameters and the value can be set using the **A** and **V** buttons.

By repeatedly pressing the SET button the parameters of:

- SET POINT
- PROPORTIONAL BAND Y1
- PROPORTIONAL BAND Y2 (if applicable)
- PROPORTIONAL BAND Y3 (if applicable)
- DEADBAND Y1Y2 and Y2Y3 (if applicable)
- INTEGRAL TIME (if applicable)
- LOW LIMIT
- LOW LIMIT PROPORTIONAL BAND
- NIGHT SETBACK

can be set up.

After 10s the E14 will come out of the setting menu and operate normally.

Viewing the output data

With the temperature displayed press the **A** to see the output of Y1 displayed. Press the **A** again for display of the Y2 output (if applicable) and press the **A** a third time for display of the Y3 output (if applicable).

DC output values are shown in %, i.e 10VDC is 100%

This display will be maintained until the **A** is pressed after the last output display after which the temperature will be displayed.

Reverting to default settings

Start with the power OFF

Hold the **A** pushbutton down whilst turning on the power.

LoD and deFLd will be displayed followed by the display of temperature.

Turn off the power and turn on again. The controller will now be in its normal state.

More detailed instructions are shown on the Product Data sheet supplied with the product.

ACCESSORIES

- E10..... Temperature sensor Select the type of sensor needed from the E10 range shown on page.....
- E10-S110 Digital Setpoint adjuster
- E10-TD Digital remote temperature display