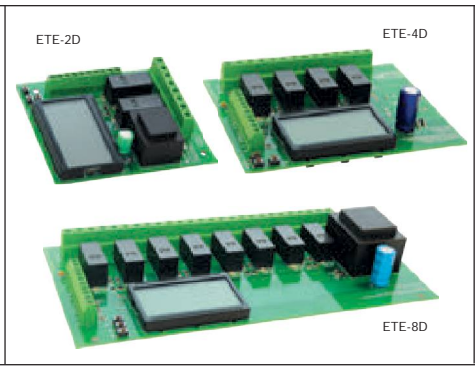


**ELECTRONIC THERMOSTAT  
2-4-6-8 STAGE DIGITAL**

**ETE--D**

These products monitor the temperature of air or liquid in a heating system and control heating or cooling units in response to temperature changes.



LCD display.  
Digital set up of control mode, Set Point, Night Setback, Time Delay, Differential per Stage and Difference between Stages.  
Volt free relay contacts.  
Ambient -10 to +50 deg C.  
Temperature resolution 0.5 deg C.  
°C or °F selection (ETE-2D, 4D, 6D or 8D only).  
Time delay 1-200 seconds all models.  
Night Setback is standard via optional time switch.  
Compatible with the functions and accessories of the ETE-(2/4/6/8)50 and ETE-(2/4/6/8)95.

Type	Stages	Range (°C)	Differential per Stage (°C)	Difference b/w Stages (°C)	Night Set Range (°C)	Supply +/- 10%	230VAC SPDT	Power Consumed
<b>ETE-2D</b>	2	-10/+95	0.5/5 adj	1/15 adj	0-40	230VAC	10(3)A	2VA max
<b>ETE-4D</b>	4	-10/+95	0.5/3 adj	1/6 adj	0-40	230VAC	10(3)A	3VA max
<b>ETE-6D</b>	6	-10/+95	0.5/3 adj	1/3 adj	0-40	230VAC	10(3)A	5VA max
<b>ETE-8D</b>	8	-10/+95	0.5/3 adj	1/3 adj	0-40	230VAC	10(3)A	5VA max

Add L24 for optional 24VAC/DC supply. A 120VAC version is available on request

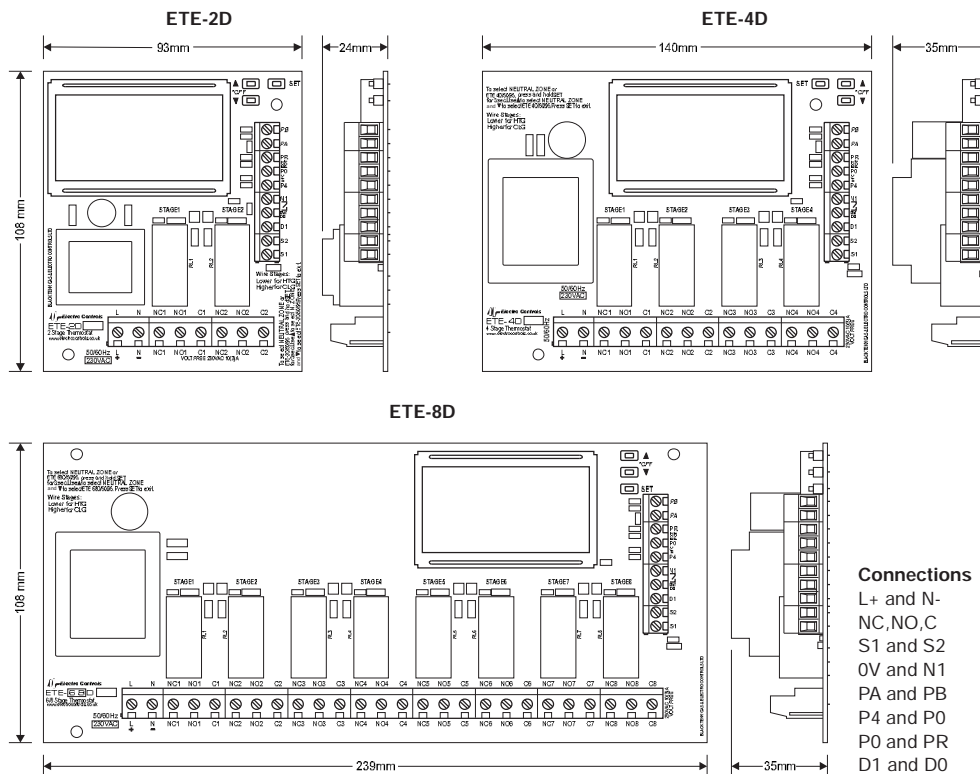
**ACCESSORIES**

See table below for the valid accessories

Accessory type	Accessory part number	Selected Product mode		
		ETE-2D,4D,6D or 8D	ETE-250,450,650 or 850	ETE-295,495, 695 or 895
Temperature sensors	E10-B/C/D/DA/G/H/I/K/R/RA/S/V/X	✓	✓	✓
Set point adjuster	E10-P4,E10-P50 and E10-P95		✓	✓
Digital Set point adjuster	E10-S110	✓		
Digital room sensor	E10-RD	✓		
Analogue Display	E10-T		✓	
Digital display	E10-TD	✓		✓

EE-M2T Enclosure for ETE-2D      EE-DR6 Din rail holder for ETE-2D  
 EE-M3T Enclosure for ETE-4D      EE-DR7 Din rail holder for ETE-4D  
 EE-M5T Enclosure for ETE-6D and 8D      EE-DR5 Din rail holder for ETE-6D and 8D

**DIMENSIONS/TERMINATIONS:**



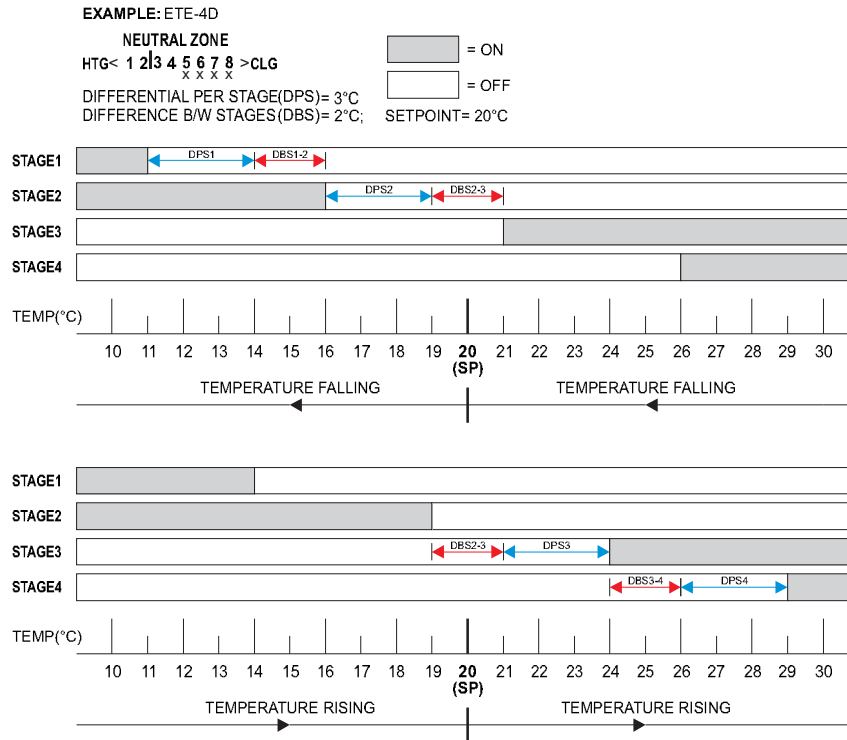
- Connections**
- L+ and N- 230VAC or 24VAC/DC supply
  - NC,NO,C Volt free relay connections
  - S1 and S2 Sensor
  - 0V and N1 Night setback
  - PA and PB E10-S110 Remote set point adjuster
  - P4 and P0 E10-P4
  - P0 and PR E10-P50 or E10-P95
  - D1 and D0 E10-T

**MOUNTING DIMENSIONS:**

Type

**ETE-2D** 2 holes on diagonal at 117.15mm centres**ETE-4D** 2 holes on diagonal at 134.5mm centres**ETE-6D and 8D** 3 holes, X dim 215mm centres, Y dim 100mm centres**TIMING DIAGRAM:**

The diagram below shows an example on the ETE-4D relay states with rising and falling temperatures for the situation with the Neutral Zone set at 2 stages of heating and 2 stages of cooling.

**SET UP:**

Turn on the power. Momentarily the display will show all the screen characters then the Product mode *E<sub>t</sub>E<sub>4</sub>d* (if the product is ETE-4D), *E<sub>t</sub>E<sub>5</sub>Q* or *E<sub>t</sub>E<sub>9</sub>S* and will settle to show the NEUTRAL ZONE, TEMPERATURE and the actual temperature. This is the main menu or Temperature screen.

To select the NEUTRAL ZONE (the number of HTG/CLG stages) and one of the Product modes *E<sub>t</sub>E<sub>4</sub>d*, *E<sub>t</sub>E<sub>5</sub>Q* or *E<sub>t</sub>E<sub>9</sub>S*, press the **SET** button for 3 sec. The NEUTRAL ZONE cursor ( **|** ) and the last selected Product e.g. if the product is ETE-4D, *E<sub>t</sub>E<sub>4</sub>d* mode will blink. Use **▲** button to select the NEUTRAL ZONE required.

Use **▼** button to select either *E<sub>t</sub>E<sub>4</sub>d*, *E<sub>t</sub>E<sub>5</sub>Q* or *E<sub>t</sub>E<sub>9</sub>S*.

Press **SET** briefly to exit.

Briefly press **SET** repeatedly to select the required parameters of SET POINT, NIGHT SETBACK, TIME DELAY, DIFFERENTIAL PER STAGE and DIFFERENCE B/W STAGES. The numerical values of these parameters will be blinking and the **▲▼** buttons can be used to set the numerical value required.

Whilst setting any parameter if the buttons are left for 10 sec the screen will return to the Temperature screen.

In the Temperature screen use of the **▲▼** buttons will toggle between °C and °F if required.

**DIAGNOSTIC MESSAGES**

*SEnOP* Sensor open circuit.

*SEnSH* Sensor short circuit

*Lo/H* Set temperature below or above product range

*ErrPR* E10-S110 short circuit (ETE-2/4/6/8D only). Once this problem has been addressed press **SET** to revert to normal operation.

**INSTALLATION:**

Observe the local regulations regarding electrical installations.

Size the power supply cables according to the load.

The minimum sensor cable size is 7/0.2mm with a max length of 100m. screened cable is recommended and the screen should be earthed at the controller end only.

Keep supply and sensor cables away from other power cables and devices which may cause interference.