

# ELECTRONIC THERMOSTAT 1 STAGE DIGITAL

NEW PRODUCT

## ETE-1D

This product monitors the temperature of air or liquid in a heating system and controls heating or cooling units in response to temperature changes



LCD display.  
Digital set up of control mode, set point, night set back and differential.  
Volt free relay contacts.  
Ambient -10 to +50 deg C.  
Temperature resolution 0.5 deg C.  
°C/°F display (ETE-1D mode only).  
Night setback is standard via optional time switch.  
Compatible with the functions and accessories of the ETE-150 and ETE-195 range.

Type	Range Deg C	Differential Deg C	Night set Range C	Supply +- 10%	230VAC SPDT	Power Consumed	Protection
<b>ETE-1D</b>	-10/+95	0.5/10	0-40	230VAC	10(3)A	0.5W max	IP00

Add L24 for optional 24VAC supply.

A 120VAC version is available on request.

### ACCESSORIES

See table for the valid accessories

#### Accessory type

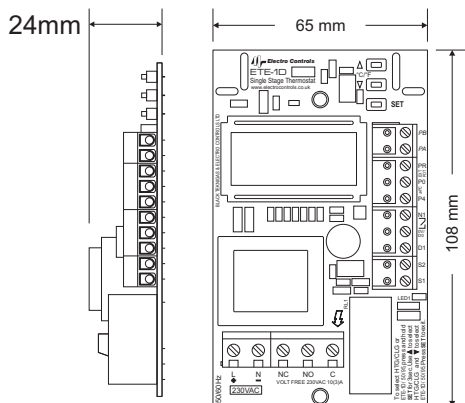
#### Accessory part number

#### Selected Product mode

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	✓		
Enclosure	EE-M1T	✓	✓	✓
DIN rail holder	EE-DR1	✓	✓	✓

ETE-1D	ETE-150	ETE-195
✓	✓	✓
✓	✓	✓
✓		
	✓	✓
✓		
✓	✓	✓
✓	✓	✓

### DIMENSIONS/TERMINATIONS:

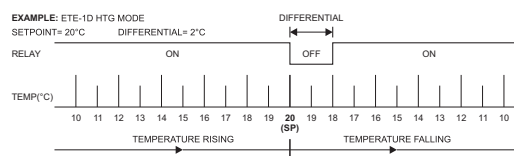
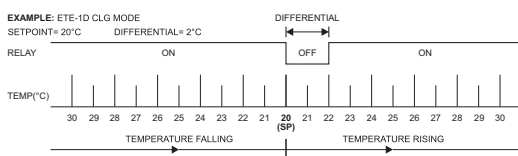


### Connections

L and N	230VAC or 24VAC supply
NO, C, NC	Volt free relay connections
S1 and S0	Sensor
0 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

### TIMING DIAGRAM:

This diagram shows some examples of the relay state with rising and falling temperatures for the cooling and heating modes.



### SET UP:

Turn on the power. Momentarily the display will show all the screen characters then the Product mode *E t E 1d* (ETE-1D), *E t E 50* (ETE-150) or *E t E 95* (ETE-195) and will settle to show HTG/CLG, TEMP and the actual temperature. This is the main menu or Temperature screen. To select HTG/CLG and one of the Product modes ETE-1D, ETE-150 or ETE-195 press the set button for 3 sec. HTG/CLG and the last selected Product mode will flash.

Use ↓ button to select either *E t E 1d*, *E t E 50* or *E t E 95*.

Use ↑ button to select either HTG or CLG

Press SET briefly to exit.

Briefly press SET repeatedly to select the required parameters of SETPOINT, NIGHT SET and DIFFERENTIAL. 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

*5E n 0P* Sensor open circuit.

*5E n 5H* Sensor short circuit

*L o / H i* Set temperature below or above product range

*E r r P R* E10-S110 short circuit (ETE-1D 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.