



TS4 Programmable Timerstat

Features

- 5+2/7-day programmable
- Celsius Display
- 24-hour time mode
- Temperature Override
- Set point range settable (5°C to 95°C)
- Low temperature protection
- Keypad Lockable

Technical Specifications

- Power Supply: **AC85-230V±10% 50/60Hz/AC/DC24V** • Accuracy: 0.5°C/°F
- Control Voltage: AC220V±10% 3A SPDT/16A SPST-NO (resistive load)
- Power Consumption: <1W • Output signal: ON/OFF
- Working Temperature: 0-70°C • Display Range: 5 to 95°C/°F
- Set point Range: 5 to 95°C/°F
- COM: RS485 (120R resistance added if jumper applied)
- Color: White with glass panel • Housing: ABS Flame Retardant
- Dimensions: 86 × 86 × 14.5 (mm) • Weight: 0.15 kg
- Terminals: 2 × 1.5 mm² / 1 × 2.5 mm², min. (0.5 mm²)

Environmental Conditions

- Operation to IEC 721-3-3 • Climatic conditions class 3K5
- Temperature: 0 to +50°C • Humidity: <95 % RH
- Pollution Degree Required: Applied for EN 60730
- Transport / Storage: Temperature: -20+50 °C Humidity: <95 % RH

Operating Instructions:

Unit On/Off: Press to turn on/ off the thermostat/heating. The internal battery will maintain your settings.

Temperature Setting: When the timerstat is ON, press or to set the desired temperature (*note - if the temperature is set at “- -”, the thermostat will not work.*)

Temperature Override: When the timerstat is ON, press or to set the desired temperature. When the unit times-out, the selected temperature will remain until the end of the time period. Or you can set a temperature and press button H twice to display the icon HOLD. This function will hold the selected temperature until it's cancelled by pressing the H button. The temperature will revert to the normal programming at the end of the time period.

Setting Procedures:

Time and Date: When the thermostat is ON, press button the Days flash, then press button or to set the day.

Press button again, the Hours in **88:88** will flash and then press or to set hour.

Press button again, the Minutes in **88:88** will flash and then press or to set minutes.

Programming – Times and Temperature: There are 4 time periods each day: -

, , and . You should allot a temperature to each time period. – Set the temperature above room ambient temperature and the heating will come on until the desired temperature is reached, or, set the temperature low and the heating will not come on during that time period. (**Do not try to eliminate time periods by taking the start time of a period through the start time of another period**)

Press button again, (or 4x from beginning), the icon of the weekdays will appear and the start time will flash, then press button or to set start time.

Press button again, the temperature for will flash, then press button or to set its value.

Continue to press button to access and set the time and temperature for the weekdays for periods , and .

Press button again to set the time and temperature of the weekend similar to the instructions for weekdays.

Press button again to check the time and temperate setting of the weekdays and again to check the setting of the weekends.

Press button again to check the time and temperature setting of each day.

When you have finished setting, the programming will time out and the unit will be set.

Keypad Lock Function: Simultaneously press and hold buttons and up to 10 seconds, the function will be enabled with lock icon displaying and then press these two buttons again up to 10 seconds, the function will be disabled with lock icon disappearing.

Error Display: When an error occurs, the

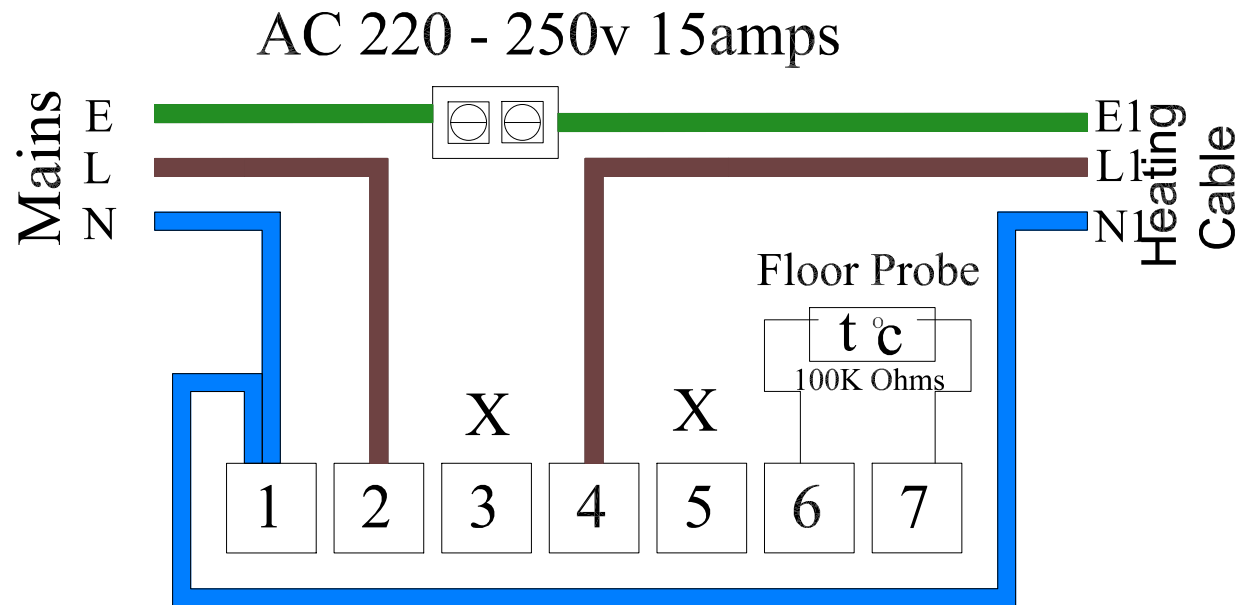
timerstat will display  and error codes as follows

Code Definition:

- 1- Internal Sensor Error
- 2- External Sensor Error
- 3- Floor Sensor Error
- 10- Internal Data Storage Error *

Contact Cosytoes Customer Service
for assistance Tel 0113 2577 588

* When first installed, the back-up battery
may need charging - leave on for 10 mins,
then switch power off at mains and then on.
Only use on/off on unit - don't power off for
long periods or the battery will discharge.



Timerstat TS4 2020 Wiring Instructions

RCD Protected 220/240v Supply via fused switched spur.
Maximum 16amp/3500w output. Must be connected by a
Qualified Electrician and be fitted outside a bathroom.
Probe @ 100k ohms.