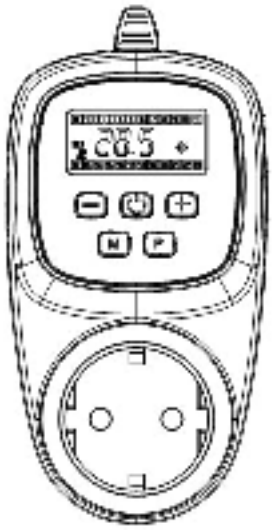
Programmable Plug in Thermostat TC-300

This Plug-in thermostat is designed to be used for electric heaters and similar appliances.



Button	Function
	Power on/off
	Temp up, or setting
	Temp down,or setting
	Mode Select --Short press
	Time, Day and Program Setting
+	Parameter setting

Keys Features

- ✓ Plug in design make it easy to install.
- ✓ Five buttons make it easy to operate.
- ✓ 161 switching programmes per week (23 programmes per day)
- ✓ Comfort, Energy-saving, and Holiday Mode Selectable.
- ✓ The display shows the set temperature.
- ✓ Temperature display in degrees Celsius.
- ✓ Settable hysterese / deadband
- ✓ With EEPROM
- ✓ Frost Protection
- ✓ Heat Pump Protection(Every 11 hours work 30sec. if heat pump not work)

Technical Data

Output Voltage:	230V
Switching Capacity:	3600W/16A
Backup storage:	EEPROM
Sensor Mode:	Internal Sensor
Temperature settings:	0°C ~ 65°C, 0.5°C increments.
Accuracy:	+/- 0.5°C (+/- 1°F).
Thermostat dimension:	140mm x 70mm x 39mm, display 37x16mm.
Color:	White
IP protection rating:	20.
Certification:	CE and encording to EN regulations.

Programmable Plug in Thermostat TC-300

Parameter Settings

Under off status, press **"M"** button and **"+"**button at the same time. You be able to enter the parameter settings. Each press of **"M"** button can into next item setting.

No.	Item	Range
01	Temp. Calibration	-9 ~ +9 'C
02	High Temp. Limit	0 ~ 65 'C
03	Low Temp. Limit	0 ~ 65 'C
04	Frost Protection	5 ~ 10 'C
05	Dead Band	0.5 ~ 2 'C
06	Heat pump protection	0 :OFF 1: ON
07	Eeprom(Memory)	0:OFF 1: ON
08	Software Version	100C

Mode Temperature Pre-set.

Pic.A **Pic.B** **Pic.C**

The Mode temperature can be set as the below following steps:

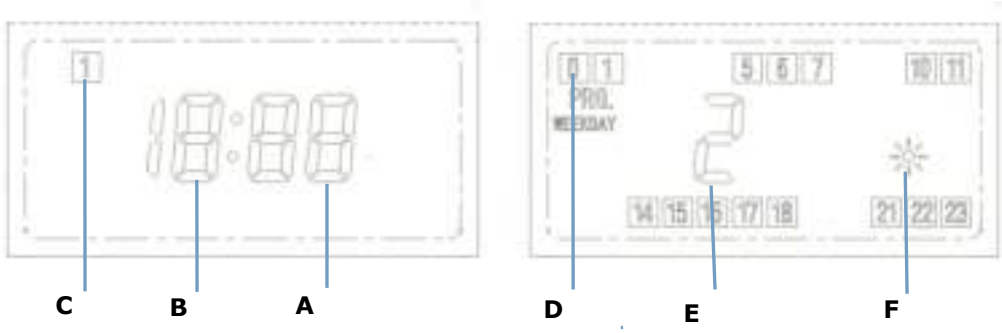
- Press and hold the **"M"** button for around 3 seconds. The COMFORT mode (pic. A) display.
- Change the mode temperature by the **"+"** or **"-"** buttons.
- Press **"M"** button , the Energy-saving mode display (pic. B).
- Change the mode temperature by the **"+"** or **"-"** buttons.
- Press **"M"** button , the holiday mode display (pic. C).
- Change the mode temperature by the **"+"** or **"-"** buttons.

The comfort function is displayed as a ✻ symbol (e.g. 25.5°C).
The energy-saving function is displayed as a symbol (e.g. 20.5°C).
The holiday function is displayed as a symbol (e.g. 10°C).

To leave this menu, just wait 10 seconds or just push on the on/off button. The setup will be memorized by the EEPROM (when this feature is enabled).

Programmable Plug in Thermostat TC-300

Day, Time and PRG. Setting.



The thermostat provides the option to program 23 time settings, irrespective of the day, i.e. a total of 161 switching programmes per week. These are shown in the display with a series of figures at the up and bottom of the display.

You have already set the temperature value before: (see page 2, mode temperature pre-set) .
The comfort function is displayed as a ☼ symbol (e.g. 25.5°C).
The energy-saving function is displayed as a ☾ symbol (e.g. 20.5°C)

To set the time ,day and program with the below following steps.

- Press and hold the **"P"** button for around 3 seconds. The minutes flashes in the display (A).
- Change this value using the **"+"** and **"–"** buttons.
- Press the **"P"** button . The hours flashes in the display (B).
- Change this value using the **"+"** and **"–"** buttons**.**
- Press the **"P"** button. The day flashes as a number in the display (C).
- Change this value using the **"+"** and **"–"** buttons. Use 1 for Monday, 2 for Tuesday, 3 for Wednesday, 4 for Thursday, 5 for Friday, 6 for Saturday and 7 for Sunday.
- Press the **"P"** button . The switch program (D) and mode icon (F) flashes.
- Setup the program using the **"+"** and **"–"** buttons. Use **"M"** button to change the mode. Comfort Mode(☼) and energy-saving mode (☾).
- Press the **"P"** button after made the desired setting for this day, it will automatically skip to next day, you have the option of skipping to other days by pressing **"P"** button.
- To leave this menu, just wait 10 seconds or just push on the on/off button. The setup will be memorized by the EEPROM (when this feature is enabled).

Dimension