ESi

Energy Saving Innovative Controls Limited

ESCTP5-RF and ESCTP5-W

Programmable Cylinder Thermostat

User instructions

Thank you for choosing ESi Controls.

All our products are tested in the UK so we are confident this product will reach you in perfect condition and give you many years of service. However, for additional peace of mind, we recommend you register your product online at **www.esicontrols.co.uk/warranty** for your extended warranty.

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User instructions

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❼ ♦ Flame symbol when system calling for heat

❽ ‹ Cancels and returns to the previous menu

❾ › Either confirms and saves the setting, or moves you to next option within a function

❿ Dial to adjust temperature and parameters

2. Setting the time and date (tInE)

N.B. Please note, when first powered or in the event of a power loss the time will be flashing and the time and date will need to be set. *Follow steps 2-6 to set the time on first setup. Changes between summer and winter time are handled automatically by the unit.*

1. **Press** and **hold <** until the display shows **tInE** then **press >**.

2. Turn the dial to adjust the hour then **press >**.

3. Turn the dial to adjust the minute then **press >**.

4. Turn the dial to adjust to the current day then **press >**.

5. Turn the dial to adjust to the current month then **press >**.

6. Turn the dial to adjust to the current year then **press >**.

7. **Press <** to return to previous menu or wait for 1 minute to automatically return to homescreen.

3. Operation modes

Operation Modes: **AUTO** 🕐, **MAN** ✋, **OFF** ❄.

Press and **hold** **>** in home screen to change operation mode.

3.1 AUTO 🕐
In Auto mode, the thermostat will work as per the user's programming setting. *See **section 6** for details.*

3.2 MAN ✋
Permanent manual override of set temperature.

1. In Home screen, turn the dial to adjust temperature.

2. The display will be flashing the set temperature.

3. After 3 seconds, the display will return to the home screen.

3.3 OFF ❄
Turn the heating off permanently.

1. In Home screen, **press** and **hold** **>** to select **OFF** ❄.

4. Extra operation modes

4.1 **Boost**
Temporary override of set temperature.

1. When in **AUTO** 🕒 or **OFF** ❄ mode, in the home screen, **press >** to make display show **bOSt**.

2. **Press >** to select **bOSt**.

3. Turn the dial to select the number of hours, **press >** to confirm.

4. Turn the dial to adjust set temperature, **press >** to confirm and return to the home screen.

The display will alternate between: **bOSt** - Hours(Boost) - **bOSt** - Current cylinder temperature.

Press < in the home screen to exit Boost mode and return to previous mode.

Boost mode hours setting range: 1-6 hours. Default: 2 hours.
Set temperature range: 25°C-65°C. Default: 55°C.

N.B: The hours (Boost) will numerically countdown. Once the countdown has finished normal operation will resume.

4.2 Advance (ADV)

The **Advance** function allows the user to move to the next ON/OFF programme for a "one off" event, without having to change the programme or use the **Manual** mode.

1. When in **AUTO** ⊙ mode, in the home screen, **press <** to select **ADV**. This will turn ON the heat, if it is in an OFF period, or it will turn OFF the heat if it is in an ON period.

2. It will stay in this state until either the **<** button is pressed again, or until a programmed ON/OFF period commences.

The display will alternate between: **ADV** and current cylinder temperature.

Press < to exit **ADV** mode and return to **AUTO** mode schedule.

4.3 Holiday mode (HOLI)

1. In home screen, **press** and **hold <** and **>** at the same time to make the display show **HOLI**.

2. **Press >** to select **HOLI**.

3. Turn the dial to select the number of days, **press >** to confirm.

4. Turn the dial to adjust set temperature, **press >** to confirm and return to the home screen.

The display will alternate between: **HOLI**-Days(Holiday)-**HOLI**-Current room temperature.

To adjust the settings in Holiday mode, turn the dial to adjust holiday days, **press >** to confirm. Then turn the dial to adjust set temperature, **press >** to confirm and return to the home screen.

Press < in the home screen to exit Holiday mode and return to previous mode.

Holiday mode days setting range: 1-99 days. Default: 1 day.
Set temperature range: 25°C-65°C. Default: 25°C.

N.B: *The Days (Holiday) will numerically countdown. Once the countdown has finished normal operation will resume. It may be advisable to set the Holiday mode 1 day less, so the cylinder is back up to temperature for your return.*

5. Main menu

In the home screen, **press** and **hold** **<** until the displays shows **tInE** then release to enter main menu. Use the dial to choose between **TIME**, **HYST**, **TEMP**, **STER**, **PROG**, **LIGH**, **RF**, **NOP**, **LOC**, **SMAR** and **RESE**. **Press** **>** to enter desired setting. **Press** **<** to return to Home screen.

5.1 Time and date (tInE)
Please see **section 2** *for details.*

5.2 Set Temperature (tEnP)
Define the set temperature for the programs when operation mode is set to **AUTO** ⏲.

1. **Press** and **hold** **<** until the display shows **tInE**. Turn the dial until display shows **tEnP** then **press** **>**.

2. Use the dial to select the set temperature value in °C, then **press** **>** to confirm and return to previous menu.

Set temperature range: 25.0 – 65.0°C. Default value 55.0°C

5.3 Number of programs (NOP)
The unit lets the number of programs to be set at 2 or 3 heat cycles during the day.

1. **Press** and **hold** **<** until the display shows **tInE**. Turn the dial until display shows **NOP** then **press** **>**.

2. Use the dial to select **2** or **3** then **press** **>** to confirm and return to previous menu.

5.4 Program (PrOG)
*See **section 6** for details.*

5.5 Hysteresis (HYSt)
This function allows the hysteresis to be set, the thermostat will keep the temperature between set temperature +/- hysteresis value.

1. **Press** and **hold** ❮ until the display shows **tInE**. Turn the dial until display shows **HYSt** then **press** ❯.

2. Use the dial to select the hysteresis value in °C to be copied then **press** ❯ to confirm and return to previous menu.

Set hysteresis temperature range: 2.0 – 15.0°C.
Default value 2.0°C

5.6 Sterilise (StEr)
The unit is provided with a sterilise function which allows for the water temperature in the cylinder to be raised to a defined value to help prevent bacteria growth, if selected this program will run automatically from time to time. Default value is **OFF**.

1. **Press** and **hold** ❮ until the display shows **tInE**. Turn the dial until display shows **StEr** then **press** ❯.

2. Use the dial to select **ON** or **OFF** then **press** ❯ to confirm.

3. If **OFF** has been selected, this function will be disabled and the unit will return to the previous menu.

4. If **ON** has been selected, the unit will ask how often it should run the sterilise function, once every (1-7) days.

5. Use the dial to select the desired frequency to run this function then **press** ❯ to confirm.

6. Turn the dial to adjust the starting time (10 minutes increments). Then **press** ❯ to confirm and return to previous menu.

5.7 Display illumination (LIGH)

The unit allows for the display to be always ON or to enter energy saving mode, which will power OFF the display after being inactive for a few seconds.

1. **Press** and **hold <** until the display shows **tInE**. Turn the dial until display shows **LIGH** then **press >**.

2. Use the dial to select **ON** or **OFF** then **press >** to confirm and return to previous menu.

5.8 RF pairing (rF)

This function is only available in the **ESCTP5-RF**.

The **ESCTP5-RF** model can communicate wirelessly with some ESi Controls room thermostats or receivers, which can potentially grant access and control of the cylinder thermostat via the ESi Controls Centro APP.

1. **Press** and **hold <** until the display shows **tInE**. Turn the dial until display shows **rF** then **press >**.

2. The display will be flashing **COMM**, this means it has entered pairing mode.

3. Make sure the other device being paired is also in pairing mode.

4. Once the **rF** has successfully paired with the other device, it will return to the home screen.

Press < to cancel and return to previous menu.

5.9 Wi-Fi pairing (WIFI)

This function is only available in the **ESCTP5-W**.

The **ESCTP5-W** model can communicate wirelessly with the ESi Controls Centro APP, using your domestic Wi-Fi, which allows access and control of the cylinder thermostat through the APP.

5. **Press** and **hold <** until the display shows **tInE**. Turn the dial until display shows WIFI then **press >**.

6. The display will be showing **----** and the **Wi-Fi** symbol will be flashing, this means it has entered pairing mode.

7. Make sure to select **"+ Add New Device"** in the APP so it is also in pairing mode and looking for a **"Hot Water"** device.

8. Once the Wi-Fi has successfully paired with the APP, it will return to the home screen.

Press < to cancel and return to previous menu.

5.10 Lock (LOC)
The unit allows the user to lock the thermostat to the set parameters.

1. **Press** and **hold <** until the display shows **tInE**. Turn the dial until display shows **LOC** then **press >**.

2. Use the dial to set a PIN code then **press >** to confirm each digit.

3. Use the dial to select the set temperature then **press >** to confirm and return to the home screen.

To remove the lock, in the home screen **press <** or **>**, for the display to show 0000.

Use the dial to enter the PIN code then **press >** to confirm each digit.

Once the correct PIN has been entered **press >** to unlock and return to the home screen.

5.11 Firmware version (vErS)
This function will show the firmware version installed in the unit.

1. **Press** and **hold** **<** until the display shows **tInE**. Turn the dial until display shows **vErS** then **press** **>**.

2. The display will show the firmware version.

Press **<** to return to previous menu.

5.12 Factory reset (RESE)
This function will reset all the parameters to the factory default.

3. **Press** and **hold** **<** until the display shows **tInE**. Turn the dial until display shows **RESE** then **press** **>**.

4. The display will show **----**, **press** **>** to confirm reset.

5. Once confirmed the unit will load the default parameters, while the display shows **LOAD**, when complete it will return to home screen.

6. Program settings

6.1 Factory pre-set programme
This unit has been designed to be a simple to use thermostat, requiring minimal user intervention with a pre-programmed heating profile. The pre-set heating times and temperatures will suit most people (See table below). Operation setting range: 5/2 day, 7 day, 24 Hour. Default: 5/2 Day. Events setting range: 2 events or 3 events. Default: 2 events.

6.1.1 Default program settings: 5/2 Day

Event		Time (ON)	Time (OFF)	Event		Time (ON)	Time (OFF)
Weekdays	P1	06:30	08:30	**Weekends**	P1	07:30	10:00
	P2	17:00	22:30		P2	17:00	22:30
	P3	Not used	Not used		P3	Not used	Not used

The programs will control the cylinder temperature, based on the defined set temperature, *see **section 5.2** for more details.*

6.1.2 Program settings: 7 Day
In 7 day setting, the unit allows for a different setting for each day of the week, the pre-set settings are the same as the 5/2 Day programme.

6.1.3 Program settings: 24 Hours
In 24hr setting, the program will be the same for all days. the pre-set settings are the same as the weekdays of the 5/2 Day programme.

6.2 **Setting the Operation Mode (5/2 day, 7 day, 24hr) (ProG)**

1. **Press** and **hold <** until the display shows **tInE**. Turn the dial until display shows **PrOG** then **press >**.

2. Use the dial to select between 5-2d, 7 day or 24hr operation then **press >** to confirm.

3. To set the programme *(See **section 6.3** for details)* or **press <** to return to previous menu or wait for 1 minute to automatically return to home screen.

6.3 **Setting the Programme (ProG)**

6.3.1 **5/2 Day**

1. Choose 5-2 day operation *(See **section 6.2** for details)*. Then **press >**.

2. Turn the dial to select the days to programme, either 1-5 for weekdays or 6-7 for weekends then **press >** to confirm.

3. Turn the dial to choose the program (P1-P3). Then **press >** to confirm and enter time setting.

4. Turn the dial to adjust the starting time (10 minutes increments). Then **press >** to confirm.

5. Turn the dial to adjust the ending time (10 minutes increments). Then **press >** to confirm and enter the next program (P2-P3).

6. Repeat the steps 4-5. To set P2 and P3 programs.

7. **Press <** to go back until the display shows 1-5. Turn the dial until display shows 6-7 then **press >** to set the program for the weekends.

8. Repeat steps 3-6 until all desired days have been programmed then **press <** to return to previous menu or leave for 1 minute to automatically return to home screen.

6.3.2 **7 Day**

1. Choose 7 day operation *(See **section 6.2** for details)*. Then **press >**.

2. Turn the dial to select the days to programme, Mon-Sun then **press >** to confirm.

3. Turn the dial to choose the program (P1-P3). Then **press >** to confirm and enter time setting.

4. Turn the dial to adjust the starting time (10 minutes increments). Then **press >** to confirm.

5. Turn the dial to adjust the ending time (10 minutes increments). Then **press >** to confirm and enter the next program (P2-P3).

6. Repeat the steps 4-5. To set P2 and P3 programs.

7. Repeat steps 2-6 until all desired days have been programmed then **press <** to return to previous menu or leave for 1 minute to automatically return to home screen.

6.3.3 **24 Hour**

1. Choose 24hr operation *(See **section 6.2** for details)*. Then **press >**.

2. Turn the dial to choose the program (P1-P3). Then **press >** to confirm and enter time setting.

3. Turn the dial to adjust the starting time (10 minutes increments). Then **press >** to confirm.

4. Turn the dial to adjust the ending time (10 minutes increments). Then **press >** to confirm and enter the next program (P2-P3).

5. Repeat the steps 2-4. To set P2 and P3 programs, then **press <** to return to previous menu or leave for 1 minute to automatically return to home screen.

We are continuously developing our products to bring you the very latest in energy saving technology and simplicity. However, should you have any questions setting up your controls please email us at **sales@esicontrols.co.uk** or for technical queries call us on our dedicated technical helpline **01280 816868.**

WARNING: Interference with sealed parts renders the guarantee void.

In the interests of continuous product improvement we reserve the right to alter designs, specifications and materials without prior notice and cannot accept liability for errors.

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