TIO STAT
PROGRAMMABLE INSTRUCTIONS

Tio

Tio SMART   Tio STAT   Tio e

AVAILABLE IN WHITE & BLACK

MODELS: TIOSTAT , TIO E, TIOSMART

MODELS: TIOSTAT, TIOSMART

CONTENTS

PROGRAMMABLE THERMOSAT

A programmable thermostat is a thermostat with the ability to adjust home heating equipment according to a pre-set schedule. For instance, a programmable thermostat could be set to maintain a home temperature of 16°C throughout the day, and 22°C degrees from 10:00 p.m. to 6:00 a.m. every night.

A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.

The Tio Stat allows you to choose what times you want the heating to be on, and what temperature it should reach while it is on.

Your thermostat need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may also prevent the thermostat from working properly.
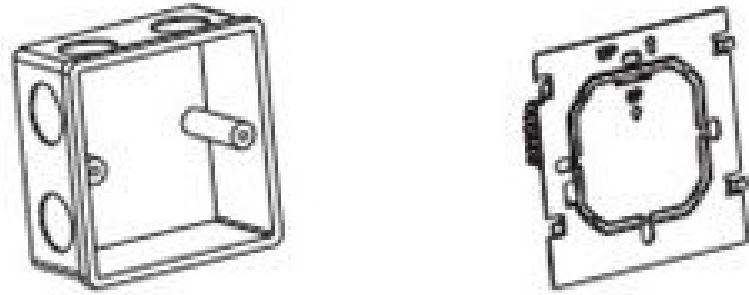
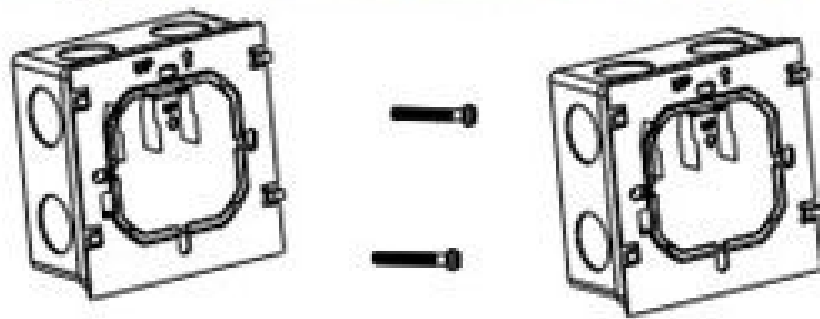| Time Display	Weekday (MON-FRI)		Weekend (Saturday)		Weekend (Sunday)	
	TIME	SET TEMP	TIME	SET TEMP	TIME	SET TEMP
PERIOD 1	06:00	22°C	06:00	22°C	06:00	22°C
PERIOD 2	08:00	16°C	08:00	16°C	08:00	16°C
PERIOD 3	12:00	22°C	12:00	22°C	12:00	22°C
PERIOD 4	14:00	16°C	14:00	16°C	14:00	16°C
PERIOD 5	18:00	22°C	18:00	22°C	18:00	22°C
PERIOD 6	22:00	16°C	22:00	16°C	22:00	16°C

TOP TIP!

Setting a programmable room thermostat to a higher temperature will not make the room heat up any faster. How quickly the room heats up depends on the design and size of the heating system.Similarly reducing the temperature setting does not affect how quickly the room cools down.

Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm round pattress box.
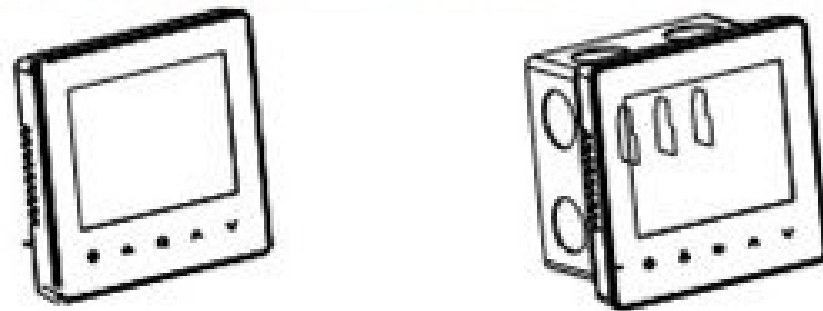
1. Keep power off. Remove the mounting Plate.

2. Connect power supply, load and external (floor) sensor into the appropriate terminals if there is external sensor. (see "Wiring your thermostat" for details and Fix the mounting plate into the wall with screws in the box.

3. Fasten body of thermostat and the mounting plate through the groove. Installation complete.

RISK OF ELECTRICAL SHOCK. Disconnect/isolate power supply prior to making electrical connections. Contact with high voltage components can cause electrical shock, severe injury or death.

Do

Mount the thermostat at eye level.
Read the instructions fully so you get the best from our product.

Don't

Do not install near to a direct heat source as this will affect functionality.
Do not push hard on the LCD screen as this may cause irreparable damage.

Step 1:
Remove the screen from the bottom face of the thermostat by sliding the screen up out of the grooves. then carefully separate the front half from the back plate by unclipping the wire plug.

Step 2:
Place the thermostat screen somewhere safe.

Step 3:
Screw the thermostat back plate securely into the back box.

Step 4:
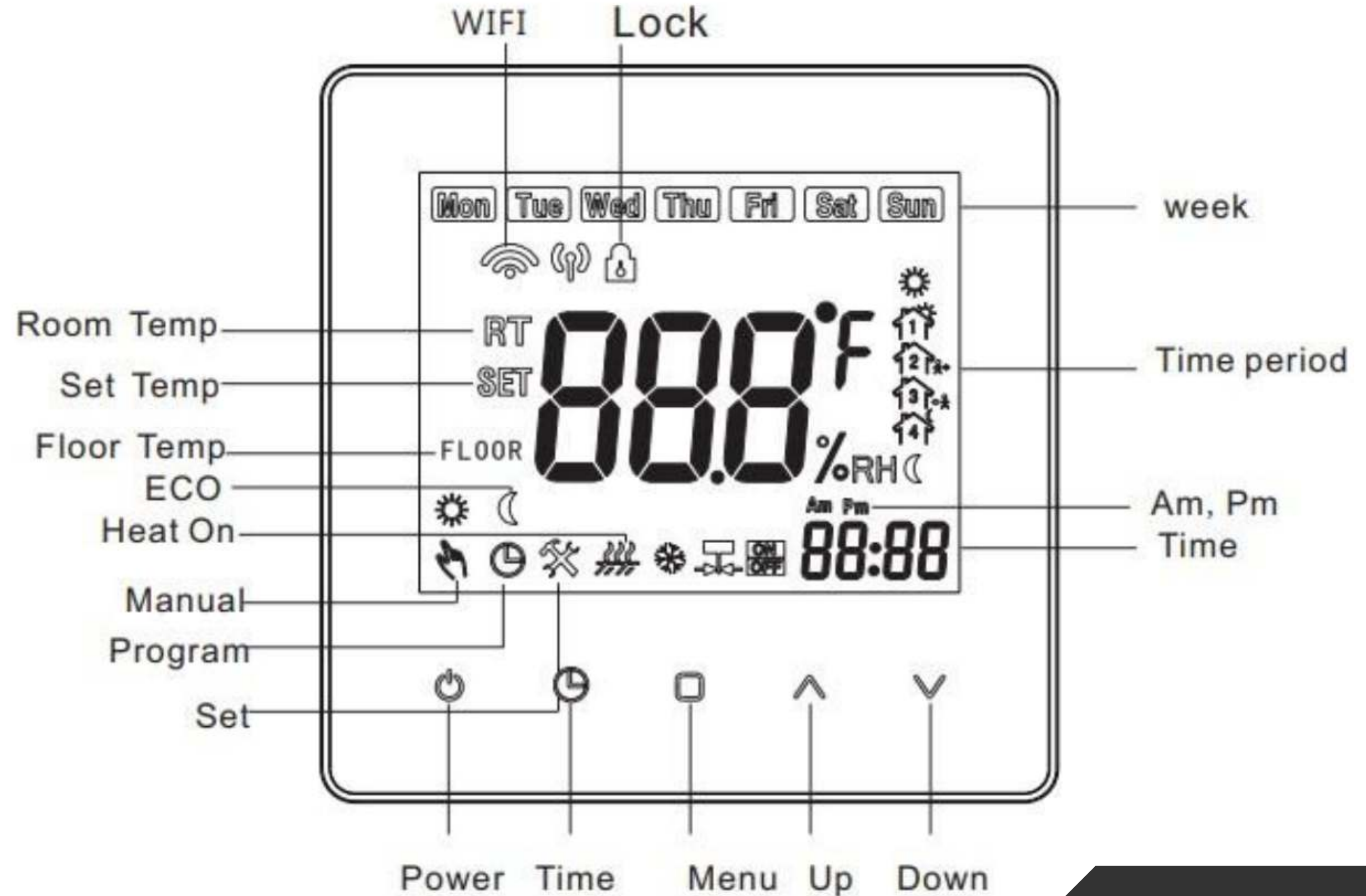Clip the front of the thermostat onto the back plate.
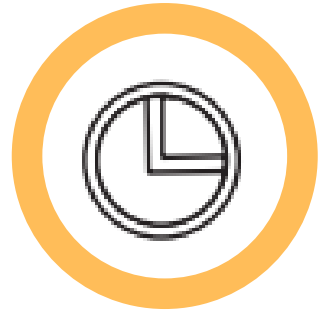
Tio STAT

POWER

TIME

UP

DOWN

MENU

MANUAL

WIFI

Lock

Mon | Tue | Wed | Thu | Fri | Sat | Sun — week

Room Temp — RT

Set Temp — SET

Floor Temp — FLOOR

ECO

Heat On

Manual

Program

Set

88.8 °F

%RH

Time period

Am, Pm

Time

88:88

Power   Time   Menu   Up   Down

Set Time/ Day:

Press 🕐 to set Time and Day of Week

Press once to set minute
Press Twice to set Hour
Press Three times to set Day of the week

Press ⏻ to save and return to Home Screen

MINUTE - HOUR - DAY

TOP TIP!

When you are adjusting any setting, pressing ⏻ will save what you have done and return you to the home screen

Manual Mode:

Press ▢ to select 🖑 manual mode. When you are on program mode 🖑 will show in bottom left corner.
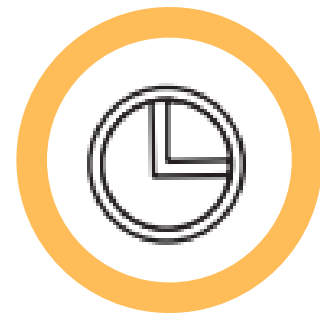
Simple press ∧ ∨ to select desired temperature

Remember: Setting a programmable room thermostat to a higher temperature will not make the room heat up any faster

TOP TIP!

The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job. The best way to do this is to set the room thermostat to a low temperature , and then turn it up by 1°C each day until you are comfortable. You won't have to adjust the thermostat further. Any adjustment above this setting will waste energy and cost you more money.

Programmable Mode:

Press ⬜ to select 🕐 programmable mode. 🕐 will show in bottom left corner.

Press ⬜ for 7 seconds to activate program set mode.

Press ⬜ to set the desired (5+1+1) six periods time and temp, using ∧ ∨ to select time and temp
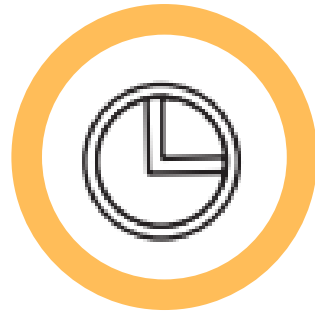
When you have set your time and temp period press ⏻ to save and return to home screen.

Temporary Mode:

During program mode. If you need to change the temp. icons 👆 🕐 will appear.
The pre- program setting will return in the next period.

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Progam Mode:

When power is on, press ⬜ for 7 seconds to enter programmable mode. Press ⬜ to change the different items. Press ∧ ∨ to set the relative values.

The order

Mon - Fri

Period Time → Period Temp, for 6 time periods (page 11)

Sat

Period Time → Period Temp, for 6 time periods (page 11)

Sun

Period Time → Period Temp, for 6 time periods (page 11)

 ("Mon-Fri","Sat","Sun", is "5+1+1" Every , every zones and a time temperature setting)

TOP TIP!

It is faster to program the same schedule for the entire week and then to adjust the exceptional days

Time Display	Weekday (MON-FRI)		Weekend (Saturday)		Weekend (Sunday)	
	TIME	SET TEMP	TIME	SET TEMP	TIME	SET TEMP
PERIOD 1 ☀	06:00	22°C	06:00	22°C	06:00	22°C
PERIOD 2	08:00	16°C	08:00	16°C	08:00	16°C
PERIOD 3	12:00	22°C	12:00	22°C	12:00	22°C
PERIOD 4	14:00	16°C	14:00	16°C	14:00	16°C
PERIOD 5	18:00	22°C	18:00	22°C	18:00	22°C
PERIOD 6 ☾	22:00	16°C	22:00	16°C	22:00	16°C

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Holiday Mode

Press 🕐 for seven seconds to enter Holiday mode. The ⛱ will appear in bottom left corner

Press 🕐 to select and set desired temperature, using ⋀ ⋁
Press 🕐 to select days. Use ⋀ ⋁ to change day range 0-99

Press ⏻ to set Holiday mode and return to home screen

Press ▢ to exit Holiday Mode

TOP TIP!

Your Thermostat will return to its pre-set programme settings, once you exit Holiday mode:

CHILD/SAFETY LOCK

Press ⋀ ⋁ for 7 seconds to activate safety lock

To Deativate sfety lock

Press ⋀ ⋁ for 7 seconds to activate safety lock

PROGRAM RE-SET

Make sure thermostat is **ON**

Press ⬚ for seven seconds to enter program mode

Press ∧ ∨ together for seven seconds to go to Factory Settings

The LCD will display 'def' in the bottom right corner.

Allow to 'def' to stop flashing and return to home screen.

CONFIGURATION RE-SET

Make sure thermostat is **OFF**

Press ⬚ for seven seconds to enter Configuration Menu

Press ∧ ∨ together for seven seconds to go to Factory Settings

The LCD will display 'def' in the bottom right corner,.

Allow to 'def' to stop flashing and return to home screen by pressing ⏻

FACTORY RESET

No.	FUNCTION	PRESS ∧ ∨ TO SET	DEFAULT
1	**CALIBRATION** To adjust to actual temperature if needed	-9°C to 9°C	0°C
2	**DEAD ZONE (DEADBAND)** To prevent heating system cycling on and off	0.5°C to 5°C	1°C
3	**LOCK**	0 – ALL BUTTONS WILL LOCK EXCEPT POWER BUTTON 1 – ALL BUTTONS WILL LOCK	0
4	**SENSOR SELECTION**	IN: = Control temperature using the internal sensor OU: = Control temperature using external sensor ALL: = Both inner and external sensor	All
5	**MINIMUM TEMPERATURE SETTING**	5°C to 20°C	5°C
6	**MAXIMUM TEMPERATURE SETTING**	20°C to 35°C	35°C
7	**DISPLAY MODE** To be displayed on LCD	0 – Room Temperature 1 – Setting Temperature	0
8	**STANDBY BACKLIGHT**	0-100	10
9	**HIGH TEMPERATURE PROTECTION** (EXTERNAL SENSORS ONLY)	25°C to 70°C	45°C
A	ANTI-FREEZE TEMPERATURE RANGE	2 TO 10°C	5°C
B	**LOW TEMPERATURE PROTECTION** (ANTI-FREEZE PROTECTION)	0 – OFF 1 – ON.	0
C	**ECO MODE** It'll only kick your heat on when the temperature in your home goes below the Eco Temperature	0 – OFF 1 – ON	0
D	ECO TEMP SET RANGE	5°C to 30°C	16°C
E	BACKLIGHT SELECTION	1-100	80

Make sure thermostat is **OFF**
Press ▢ for seven seconds to enter Configuration Menu

Once in the menu
Press ▢ to change parameters

Press ⏻ to confirm the setting
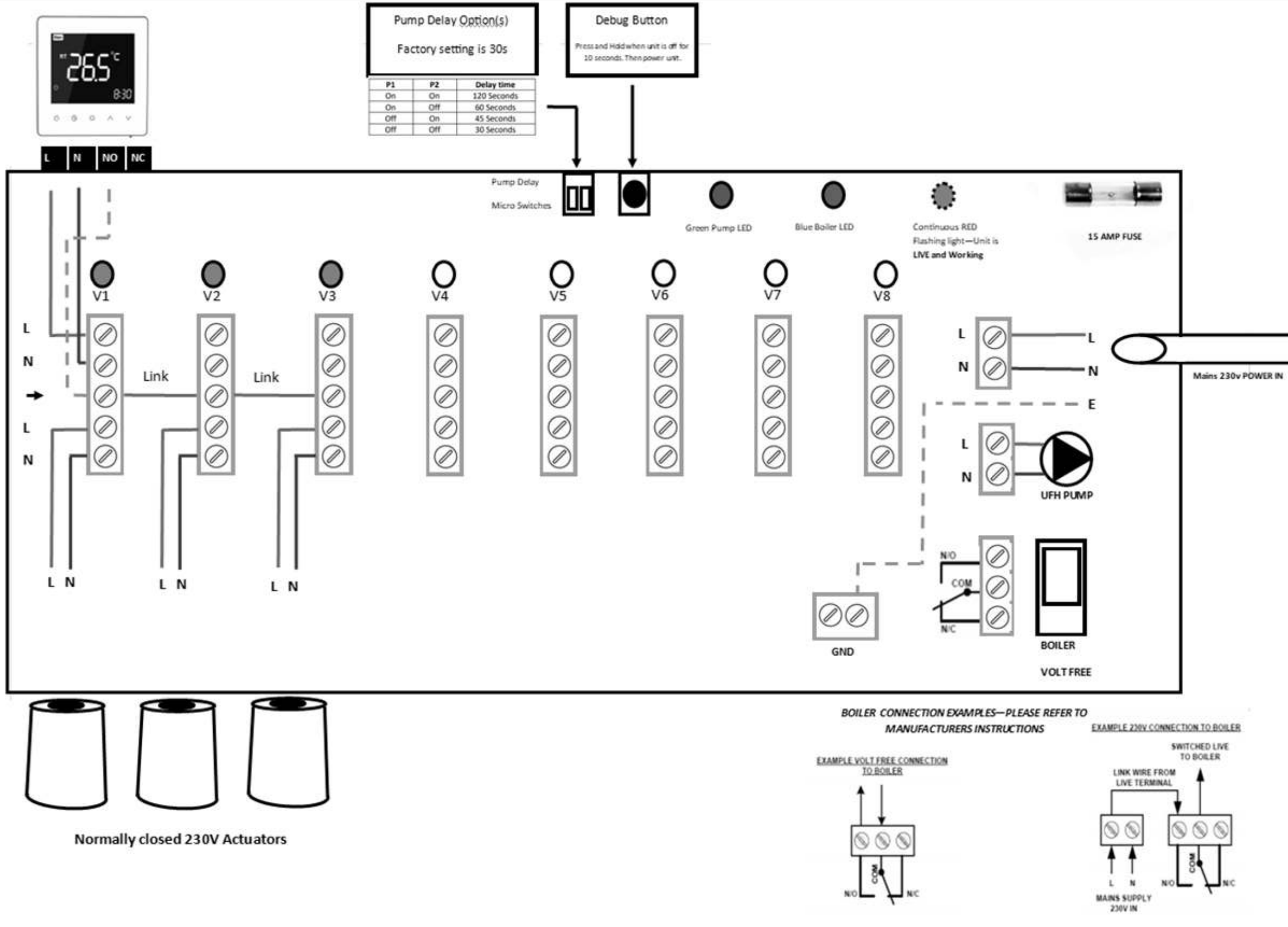
230V – 8 Zone Wiring Control Centre

A 230V 8 zone wiring centre with zonal LED indicators and independent boiler/pump interlock for use with underfloor heating systems.

Power	240V AC 50/60Hz
Operating temperature	-20 – 60ºC
Relay output max	3A
Colour/Material	White ABS
Dimensions	240 x 110 x 42mm
No. of Zones	8
Pump Delay adjustment	0.5 - 2 mins
Reset Button	Internal
Fuse rating	3A
IP rating	20

Pump Delay Option(s)		
Factory setting is 30s		
P1	P2	Delay time
On	On	120 Seconds
On	Off	60 Seconds
Off	On	45 Seconds
Off	Off	30 Seconds

Debug Button
Press and Hold when unit is off for 10 seconds. Then power unit.

Green Pump LED   Blue Boiler LED

Continuous RED Flashing light—Unit is LIVE and Working

15 AMP FUSE

Pump Delay
Micro Switches

Continuous RED Flashing light—Unit is LIVE and Working

Mains 230v POWER IN

UFH PUMP

GND   BOILER
             VOLT FREE

Normally closed 230V Actuators

BOILER CONNECTION EXAMPLES—PLEASE REFER TO MANUFACTURERS INSTRUCTIONS

EXAMPLE VOLT FREE CONNECTION TO BOILER

EXAMPLE 230V CONNECTION TO BOILER
SWITCHED LIVE TO BOILER
LINK WIRE FROM LIVE TERMINAL

TIO SMART APP

Compatable with

Download on your smart device or scan below

Scan to
Download Tuya
Smart app

Scan to
Download
Smart Life app

Through the app, you can control the devices with voice control by integrating amazon echo or google assistant. The app arrives with an easy to use interface with elegant features. As a result, using the app is extremely straightforward.

The app also allows you to add and control a variety of devices at once. You can also let the device to automatically start or stop based on the location, time, and temperature. It also allows you to share the control of the devices amongst the family members. It also includes a real-time safety feature that will enable you to ensure the protection in case if anything went wrong.

How to use the Smart Life App

Start with installing the app on your device.

Open the application and register for an account.

The app will automatically detect your country code. In case it does not detect, you will require entering the code manually.

There will be a verification code sent that you will require entering for confirming the registration.

Click on the plus icon in the top right of the app to add a device. The app should automatically pair with the device. In case you see a message that says failed to add, then it means the connection is not paired. You will require pairing with the app manually. After successfully pairing with the application, you can set the name of the device. Now you will be able to control the devices from your app interface.

works with the Google Assistant

WORKS WITH amazon alexa

works with SmartThings

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Power: On/Off Red = Power ON, Blue = Power OFF

Mode: You can select between; Manual, ECO or Program mode

Manual Mode: In this setting you can change the temperature manually

Eco Mode: In this mode your thermostat will run at 16 °C. The temperature cannot be changed whilst in eco mode.

Program Mode: In this mode you can program your thermostat. Click Program mode the select program on the landing page to enter the program page.
During program mode you can set your desired time periods and temperatures for
·(Mon-Fri + Sat + Sun) = (5+1+1)
·6 time periods per day.
You also have the option to re-name time periods. Once you have selected your desired; times, temperatures and name press save in top left corner

Lock/Unlock your thermostat. Red = Locked Blue = unlocked

Settings: In settings you are able to;

Temperature Compensation: You can manually configure/calibrate your thermostat temperature

Frost Protection: Turn on/off frost protection

Factory data reset: This will re-set all data and programs to factory default settings

Third party access – voice control. To connect with Amazon Alexa or Google Assistance

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