

**MWD5
PROGRAMMABLE
THERMOSTAT**
App controlled over WiFi



QUICK REFERENCE USER MANUAL

COLD**BUSTER**
floor heating

COLDBUSTER FLOORHEATING
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GET THE THERMOSTAT CONNECTED TO YOUR WIFI & TO YOUR SMART PHONE:

First get the App onto your smart phone

Go into Apple App store or Google Play & search for **SWATT OJ**. Or it can be downloaded via the links below.

<https://itunes.apple.com/vn/app/swatt/id1334128169?mt=8> App from the App store

<https://play.google.com/store/apps/details?id=com.ojelectronics.owd5.r1099> App from Google Play

Ensure you do not download any other App that look similar, they don't work on the Australasia version. In the full user manual, it gives the European link to download. Don't download this.

Don't do anything further with the App at this stage.

CONNECT THERMOSTAT TO WIFI

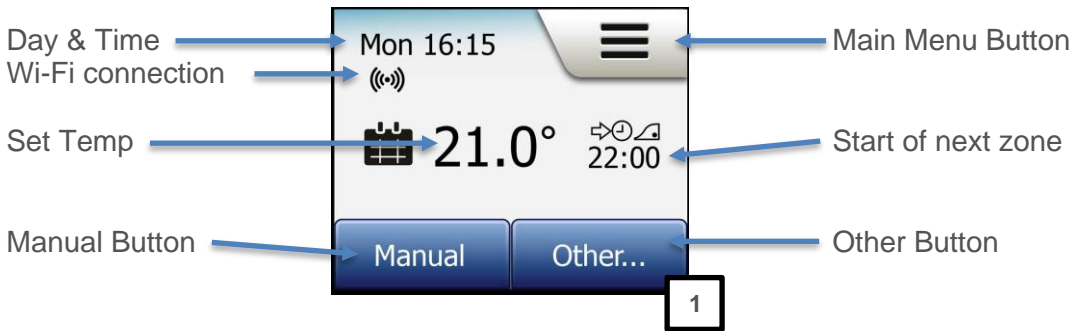
1. Tap the "Menu" button on the home screen.
2. Scroll down & tap the "App Control" button to access the app setup options.
3. Tap the "Wi-Fi Connection" button to set up the Wi-Fi connection.
In choosing the desired connection type, it's easier to use the MANUAL setup.
4. Tap "Manual" for manual setup
5. Tap the name of the desired network on the list.
6. You are now asked to enter the network key (password). Tap the "Right Arrow" button to proceed.
Tips on using the keyboard:
 - Tap the "Character set" button to the left to choose between different character sets, e.g., lowercase letters, uppercase letters, numbers, and special characters.
 - Tap the "Up Arrow" and "Down Arrow" buttons to scroll up and down in the selected character set.
 - Tap the highlighted character to enter it at the top.
 - Tap the "Delete" button to the right to delete the last character.
 - If the key is too long to be displayed in the text field, you can tap the text to see the entire text. Tap it again to return to the keyboard.
7. Confirm the network key with "✓" to start connecting the thermostat. After that the "Status" screen will be displayed showing the status of the Wi-Fi connection. Tap the "Left Arrow" button to return to the menu.

CONNECT YOUR SMART PHONE TO THE THERMOSTAT

1. If you have already created a login & password, Click on "Already a User? Log in"
2. If this is your first time, create a username & password.
NB: It is essential to write it down & keep it somewhere.
3. Once the App opens click on GET STARTED. Then TICK the 3 Terms & Conditions & click on ACCEPT.
4. Now go to the thermostat, Tap the "Menu" button on the home screen. Scroll down & tap the "App Control" button to access the app setup options.
5. Tap the "Connect to App" button to connect to your app.
6. Choose how to connect to your app. Either:
 - Tap "QR Code" to display a QR code that you can scan with your mobile.
Then tap on "Connect"
 - or
 - Tap "Thermostat ID" to display the thermostat ID that you can enter in your app.
Then tap on "Connect"
7. You must now give the thermostat a name, e.g., Master Ensuite, Kid's bathroom Kitchen, Lounge. You must also identify the heating zone it is in. so all Ensuite's & bathrooms can fall under bathrooms. The kitchen & lounge thermostats can fall under say Living area.
 - If you click on a zone & adjust the temp or adjust the schedule it will change any thermostat under same Zone name.
 - If you click on the thermostat within a zone & adjust the temp or adjust the schedule it will only make the changes to that particular thermostat.
8. The 3 short horizontal lines at the top right corner of the screen is the menu button. Tap this to get to the various features of the thermostat. Some of the handy ones are
 - Set Up Schedule: This is to program the thermostat.
 - Manage Zones: Add more thermostats
 - My Profile: Change your password

Some other helpful info.

DEFAULT SCREEN PAGE



GETTING STARTED

If the screen asks which area of Australia you are in, press the applicable option or press the down arrow to scroll down. Then follow the prompts for the date & time. If any numeral needs to be changed, press on the applicable figure, which will then enlarge & then use the ↑up or ↓down arrows to change. If that option has already been done but the date or time is incorrect do as follows.

CHANGE DATE:

Press main menu button, press USER settings, then scroll down with the down arrow to DATE. Press on DATE. Then press on the applicable day, month or year. The numerals will then enlarge. Then use the ↑up or ↓down arrow to get to the right numeral. When all is correct, then press the ✓ button and then press the ←Left(back) button twice to get back to the Default Screen Page.

CHANGE TIME:

Press main menu button, press USER settings, then scroll down with the ↓down arrow to TIME. Press on TIME. Then press on the applicable Hour or Minute. The numerals will then enlarge. Then use the ↑up or ↓down arrow to get to the right numeral. When all is correct, then press the ✓ button and then press the ←Left (back) button twice to get back to the Default Screen Page.

DATE & TIME Formats:

You can change the DATE Format (DD-MM-YYY or MM-DD-YYYY) & TIME format (12hour or 24hour) as options within the USER SETTINGS.

Choose the setting, confirm with the ✓ button & then press the ←left (Back) button to get back to the Default Screen.

HOW TO PROGRAM THE THERMOSTAT:

The initial choices to be made for programming are which days are workdays & which are home days.

Workdays have 4 zones in a day & home days have 2 zones in a day.

Having 4 zones in a day gives greater flexibility with the 1st zone being the morning, 2nd zone being daytime, 3rd zone being afternoon evening & 4th zone being overnight.

Home days with 2 zones basically means on all day and off at night.

To choose between Workdays & Home days go MAIN MENU button, HEATING SCHEDULE & then WEEK TYPE and follow the prompts.

To program the thermostat, go MAIN MENU button, EVENT SCHEDULE.

The 1st zone comes up & is called "WAKE UP".

Press on the time. The time will enlarge & you can set the time with the ↑up or ↓down arrows. (If the thermostat is in Adaptive Mode then the floor heating will be warm by your set time). Then press the ✓ to confirm.

Press on the temperature. The temperature will enlarge & you can set the temperature with the ↑up or ↓down arrows. A suggested "ON" temperature is 25°C. Then press the ✓ to confirm.

Then press the → which will move the screen onto the 2nd zone namely "Leave Home". To have the thermostat switch off during a time zone, a suggested temperature to switch it off, would be 10°C.

Do as above to set the 3rd (Come Home) & 4th (Go to Sleep) zones.


USE MANUAL MODE

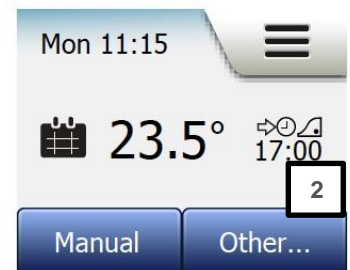
Putting the thermostat in MANUAL MODE at your desired temperature, the floor heating will stay on until you turn it off or set it to programming mode.

On the DEFAULT SCREEN (above Right, Diag #2), press on the MANUAL Button.

The MANUAL screen (right, Diag#3) will then come up. Use the ↑up or ↓down arrows to set your required temperature.

The temperature figure will go RED when the heating is on.

Press the  to take it out of Manual mode & will return to prog mode.



OTHER MODES THAT CAN BE OF USE:

These are: COMFORT MODE
BOOST MODE
HOLIDAY MODE

These MODES are found by clicking on the OTHER button on the lower right corner of the screen.

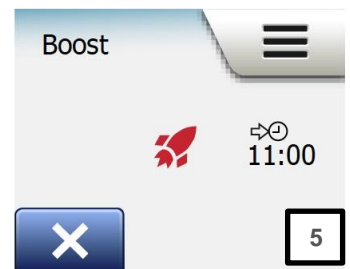
COMFORT MODE: This is similar to manual mode except that it has a time frame associated with it.

Press OTHER, then choose COMFORT. The screen will tell you; “you are overriding the Auto schedule”. Confirm by pressing the ✓ button. Then adjust the temperature using the ↑up or ↓down arrows. Press the ✓ to confirm. You can then set how many hours you would like it on by pressing the ↑up or ↓down arrows. Press the ✓ to confirm.

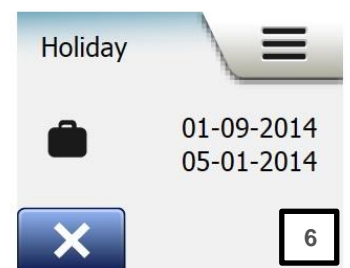
After the set number of hours, the thermostat will return to programming mode.



BOOST MODE: This puts the heater on for 100% of the next hour. Press OTHER, and then choose BOOST. The screen will tell you that the thermostat will be activated for 1 hour. Confirm by pressing the ✓.



HOLIDAY MODE: This prevents your floor area from freezing while you are away on holiday and switches the floor heating back on when you return. Click on the OTHER button on the lower right corner of the screen. Scroll down with the ↓down arrow & choose HOLIDAY. Press to the right of the OFF button & then confirm with the ✓ button. The screen then advises you that it will keep your floor above freezing during your planned holiday. Press the → arrow. Set your leave date, then press the → button. Set your Return date, then press the → button. It will then say the Holiday mode is activated for 1 second & then revert to the HOLIDAY MODE screen.



As with the other modes, should you wish to get out of that particular mode, press the ✕ button.

CHILD LOCK:

Enable Child Lock: Press main menu button, press USER settings. The 1st option at the top is CHILD LOCK. Press on CHILD LOCK. What appears is a digital slide switch. See image on the right. Press on the right-hand side of OFF. It should now say ON. To confirm this setting press the ✓ button on the lower right corner of the screen. It will now revert to User Options.

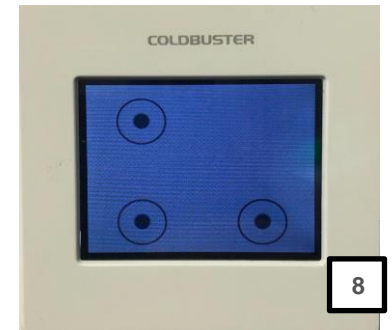
Press the ←Left(back) button twice to get back to the Default Screen Page. The child lock will be activated after about 2 minutes when the screen saver activates. The image on the right is what you'll get if you touch the screen saver



DISABLE Child Lock: With the child lock screen activated, i.e., the “3 hotplates” appear. See image to the right.

Draw an “L” on the screen in a single stroke without lifting your finger from the screen. Start by touching the dot in the circle in the upper left corner, then slide your finger downwards to the dot in the circle in the lower left corner and continue sliding your finger to the dot in the circle in the lower right corner, forming an “L” .

If done correctly, the home screen will appear.



Please note that the child lock will be reactivated when the thermostat returns to screen saver mode - unless it is deactivated in the menu: User Settings - Child Lock. i.e., do as above in Enable Child Lock, but now just tap to the left of ON etc.

ADAPTIVE FUNCTION:

The thermostat has the ADAPTIVE FUNCTION defaulted too ON.

Adaptive Function is a setting that enables the thermostat to switch on prior to the set time to be warm by the set time. The thermostat has intuitive technology, which, as it knows what the floor temp is & what the time is. It can work out the rate of temperature change and thus switch on at the appropriate time beforehand so that it will be at the temp as set in the programming schedule at that scheduled time.

This a very handy feature when in “Floor” sensor mode. Please be aware if you have the Adaptive Function on & set your thermostat to Room Limit or Room sensor mode this could dramatically increase your running costs.



Press main MENU button, Scroll down and press ENGINEER settings. It's the 1st option. Tap on it. To switch Adaptive Function OFF. Tap the grey area to the left of ON. Do the opposite should you wish to turn it ON.

ENERGY USE

The thermostat has a section on how much your floor heating is costing you to run.

Press the MENU button & then Energy Use button.

It will bring up the 7-day usage graph. Tap on ▲ arrow button.

	kWh	Price \$
Week	345	345
Month	345	345
Year	345	345

This gives you a breakdown of KWh & Price for the last Week, Month & Year.

Should your thermostat be switching on heating to a large floor area, you could be getting an inaccurate reading. Please contact CB to assist you here.

The thermostat calculates the energy use based on a fixed electrical tariff. Should your home have a “smart” electricity meter, which charges different tariffs for electricity consumption at different times of the day and hence will not be providing an accurate running cost.

If you keep on scrolling through the energy use page there will also be a running cost graph for last month & last year. The graph is indicating hour on per day.

SENSOR APPLICATION :

The default with the thermostat is the Floor sensor mode. It measures the floor temperature if it has been placed between the heating elements. Suggested Floor temp is 25°C – 30°C.

The thermostat also has the option to be set to Room/Floor Limit & Room.

Room floor limit measures the room temperature but stays within the floor temp limitations. I.e., in the case of wooden floors, it will not go over the suggested max floor temp of the manufacturer which is generally around 27°C. For the minimum Limit, these are more suitable in very cold climates where the heating will remain on if the floor temp were to go below that set temp.

Room sensor measures the room temperature & maintains the room at the set temperature. Suggested room temps vary between 19°C to 21°C. Everyone is different as what they find comfortable.

Remember, the higher the set temp whether it be Room temp or Floor temp or even your air conditioner for that matter, the higher you set the higher your running cost will be.

How to change between the different options, do as follows.



Press the “Menu” button at top right of the screen.



Then press “Engineer Settings”

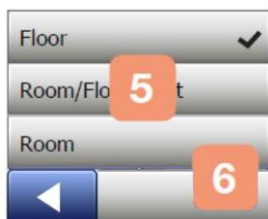



Press “Sensor Application”



It will now take you to this screen, where it is just confirming you want to use the floor or room sensor

Press the  button.



The  tick will confirm which setting you are currently on. You can now choose one of the other 2 options that you would like to use. Once you have made your choice

Press the  button.

Please revert to the Main user manual which can be emailed to you or downloaded from our website for greater description detail.

