



SMART CERAMIC STONE DIGITAL RADIATOR WITH WI-FI CONTROL

Installation And Operation Instructions



Model Number

OSDCR1000-V/OSDCR1500-V/OSDCR2000-V/OSDCR700-R/OSDCR1000-R
OSDCR1500-R/OSDCR2000-R/OSDCR1000-P/OSDCR1200-P/OSDCR1500-P

Thank you for purchasing this Osily Ceramic Stone Digital Radiator. Please read these instructions before installation or operation and leave with the appropriate person for future retention.

**OSDCR1000-V/OSDCR1500-V/OSDCR2000-V/OSDCR700-R/OSDCR1000-R
OSDCR1500-R/OSDCR2000-R/OSDCR1000-P/OSDCR1200-P/OSDCR1500-P**
Ceramic Stone Digital Radiator with Wi-Fi Control Installation & Operating Instructions



DO NOT COVER

IMPORTANT SAFETY INFORMATION

WARNING: In order to avoid overheating, do not cover the heater.
We recommend that this appliance is installed by a qualified electrician
in accordance to the current wiring and building regulations.

- ✓ This appliance is intended for internal use only in domestic and small commercial applications, the instructions and warnings must be adhered to at all times.
- ✓ Do not cover the heater. Never cover or obstruct in any way the heat outlet slots at the top of the heater or the air inlet slots in the base of the heater.
- ✓ This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- ✓ Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- ✓ Some parts of this appliance can become very hot and cause burns, please ensure that the heater has been switched off and allowed to cool before cleaning etc.
- ✓ If the supply cord is damaged, it must be replaced by the manufacturer, it's service agent or similarly qualified persons in order to avoid a hazard
- ✓ Please do not use the product for any other purpose. Do not use this product with an extension lead or multi plug adapter.
- ✓ For your safety, this heater is fitted with a thermal cut-out. In the event that the product overheats for some reason, the cut-out prevents excessive temperatures on the product by cutting the power to the heater.
- ✓ There are no user serviceable parts in this appliance.
- ✓ Please unplug and ensure that the unit is disconnected from the mains supply before any attempt to open the case or any part of this heater

Wall Mounting your Radiator

The fixings supplied are designed for installation onto solid walls. Alternative fixings may be required if installing onto plasterboard or other non-standard wall types. It is the responsibility of the installer to evaluate the fitting location and determine if alternative fixings are required. The radiator should be mounted on a heat-resistant wall so that the bottom of it is at least 100mm from the floor with a minimum space of 200mm on all sides to allow for good air circulation. The radiator is not suitable for placing in an alcove. There should be as much clear space as possible above the radiator to allow for good heat dissipation and to reduce the risk of the product being covered accidentally. Mounting closer than recommended can cause overheating of the device and damage to surrounding objects and surfaces.

STEP 1: Check that the wall the radiator is to be mounted on is strong and stable to support its weight and is heat resistant. Ensure that there are no electrical, plumbing or gas suppliers situated beneath the surface of the wall.

STEP 2: Using a pencil, mark the screw hole locations as described in the wall mounting diagram.

STEP 3: Using a suitable drill bit drill the holes at each marked location.

STEP 4: Insert a wall plug into each hole so that the wall plug sits flush with the wall surface.

STEP 5: Position the required mounting bracket onto the surface and fix to the wall with the wall bracket screws provided.

STEP 6: Place the radiator onto the mounting brackets, making sure that all the brackets have engaged with the radiator and can support the weight.

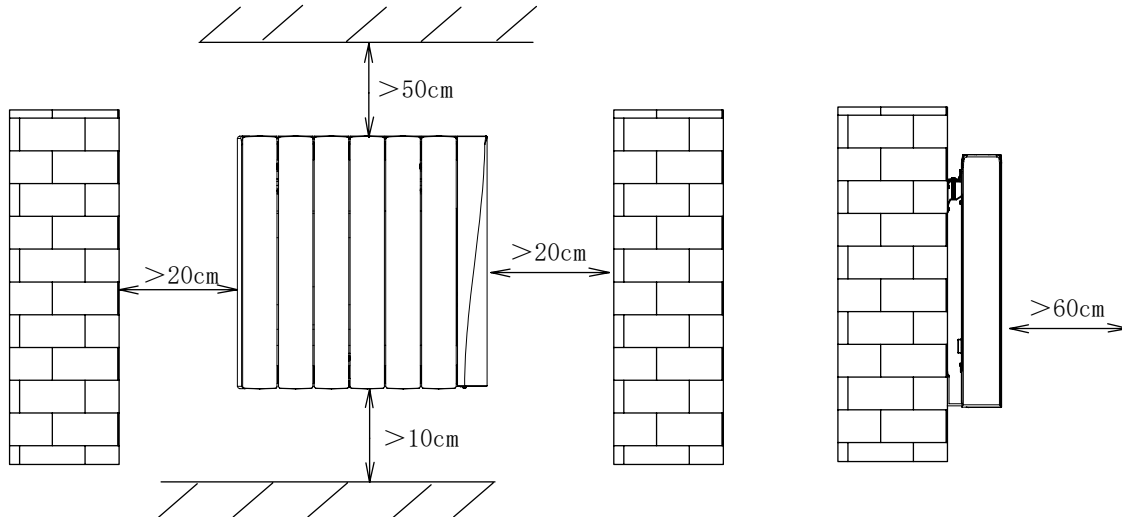
STEP 7: Insert the bracket locking screws into the upper wall brackets and tighten to lock the radiator into the brackets.

NOTE:

When using the radiator for the first time, a slight odor may be emitted. This is normal and will soon subside. Allow for sufficient ventilation around the radiator.

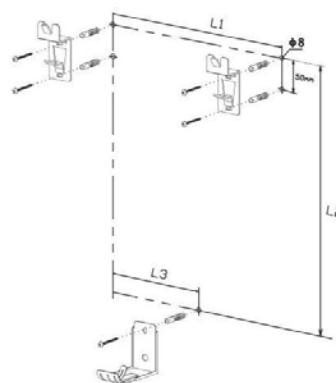
Wall Mounting Instructions

1

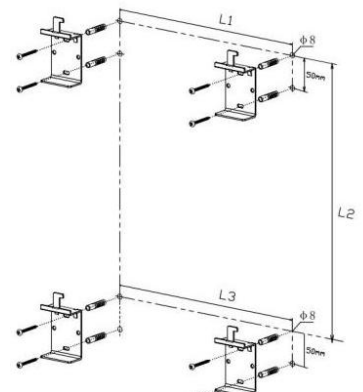


2

STANDARD (R)	L1(MM)	L2(MM)	L3(MM)
OSDCR700-R	90	428	90
OSDCR1000-R	180	428	90
OSDCR1500-R	270	428	90
OSDCR2000-R	360	428	180
PLINTH (P)			
OSDCR1000-P	270	288	180
OSDCR1500-P	360	288	180
OSDCR2000-P	360	288	180
VERTICAL (V)			
OSDCR1000-V	166	1024	166
OSDCR1200-V	256	1024	256
OSDCR1500-V	346	1024	346



STANDARD & PLINTH



VERTICAL

Wiring Instructions

This appliance must NOT be earthed (Class II)

This appliance is supplied fitted with a BS1363 mains plug and a BS1362 13A fuse. If the plug is removed from the appliance, please ensure it is disposed of safely as a disconnected plug is dangerous if reconnected to the mains.

If any other type of plug is used a 13A fuse must be fitted.

The wires in the mains lead are coloured in accordance with the following code:

BLUE = NEUTRAL

BROWN = LIVE

As the colours on the wire in the mains lead of this application may not correspond with the colour marking identifying the terminals on your plug, proceed as follows:

- The wire which is coloured **BLUE** must be connected to the terminal which is marked with the letter **N**.
- The wire which is coloured **BROWN** must be connected to the terminal which is marked with the letter **L**.

Operating Instructions

Quick Start Guide

If you would like to use your radiator to heat up a room, please use these simple steps:

Please read the instruction manual before you plug in the radiator.

1. Check that there is no damage to the radiator before assembly.
2. Connect the radiator to the mains power supply that corresponds with the product rating plate.
3. Press the power button on the back of the radiator to switch the unit on.

On / Off Switch

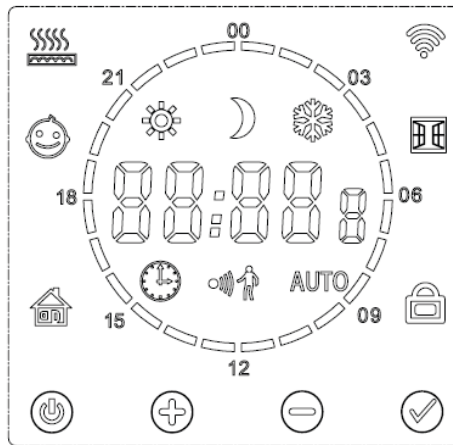


4. On the touch screen LCD panel on top of the radiator, press the on button .
5. The display will then light up. Press the mode button  until the comfort symbol is illuminated .
6. From here you can press the  or  symbol on the screen to adjust the temperature.
7. Press the  mode button to confirm the required temperature.
8. The heating icon will then illuminate meaning the radiator is heating up.  The radiator will not start to heat until the room temperature is lower than the temperature you have selected.
9. The radiator will stay on until the on/off button  on the LCD panel is pressed or by pressing the switch on the back of the radiator.
10. Remember to unplug the radiator when not in use.

NOTE:

The comfort mode temperature must be set higher than the current room temperature for the heat setting to engage. All the functions are available to use without connecting to the app.

LCD Display Key



LCD Screen Description

ICON	DESCRIPTION	ICON	DESCRIPTION
	Multifunctional digital display		Heating icon
	Day of the week number (1 to 7)		Temperature safety function
	Comfort mode		Wi-Fi icon
	Economic mode		Open window function
	Frost prevention mode		Control panel lock activated
	Time mode		Increase button
	Sensor mode		Decrease button
	Power button		Mode button
	Daily status bar (0 to 24h)		

Note: On first use of this heater you may notice a slight odour. This is normal and will soon subside.

The radiator has 5 modes which can be programmed and set for convenience:

COMFORT MODE  -The radiator will maintain the set temperature.

ECONOMIC MODE  -The radiator will maintain the set temperature. For most efficient operation, do not set the temperature higher than comfort mode.

FROST PREVENTION MODE  - The radiator will be set to 7°C to prevent frost. The set temperature for this mode cannot be changed.

TIMER MODE  -The radiator will run on a programmed timer setting and will automatically change from comfort to economic mode at specific times.

SENSOR MODE  -The radiator will operate in comfort mode when people are detected in the room. When people are no longer detected in the room the radiator will change to economic mode and then frost prevention mode, until people are detected again. This mode must be programmed from the Internal Set up menu before it will operate correctly when selected.

To change the mode, press  'to cycle between modes in order:

 → COMFORT MODE  → ECONOMIC MODE →  FROST PREVENTION MODE
 → TIMER MODE  → SENSOR MODE

Note:
Sensor Mode must be programmed by following the instructions in the section titled **F1:Sensor Mode Function**. It is not possible to adjust the temperature whilst the sensor mode icon is flashing. Press again to select comfort mode and adjust the temperature.

Setting the clock and programming

Setting the Time and Timers

STEP 1: Navigate to TIMER mode  by pressing  Press and hold  until the hour digits begin to flash inside a circle. Use  and  to set the hour and then press  to confirm.

STEP 2: The minute digits will now flash. Use  and  to set the minutes and then press  to confirm.

STEP 3: The day of the week number will now flash. Use  to set the day of the week number:
1= Monday. 2 =Tuesday. 3 =Wednesday. 4=Thursday. 5=Friday. 6=Saturday. 7=Sunday
Press  to confirm.

STEP 4: The program number 'P1' will be displayed in the left-hand side of the circle alongside the day of the week number in the right-hand side.

The times the Comfort and Economic mode are engaged for are displayed along the bottom of the screen in the daily status bar in blocks of 1 hour.

Use  and  to change the program number to the desired program for the selected day. There are seven programs to choose from.

When the desired program has been selected, press  to confirm. The program for the following day can now be selected in the same way until a program has been assigned for every day of the week.

When all of the days of the week have been programmed, the display will return to the home display screen. A flashing block on the daily status bar shows where in the program the radiator is. The time is now set and will be displayed on the screen when the radiator is in standby mode.

Programming the Daily Schedule

The program for each day can be customized to the user's requirements for maximum convenience. To customize a program, follow steps 1-3 of the section entitled 'Setting the Time and Timers'. The program number 'P1' will be displayed in the left-hand side of the circle alongside the day of the week number in the right-hand side.

STEP 1: Press  to toggle comfort mode on for the time period selected.

Press  to toggle comfort mode off for the time period selected. When either button is pressed, the next bar will automatically be selected for modification.

Press and hold either button to quickly toggle and set multiple bars in a short period of time. Press and hold  to toggle comfort mode on for the selected time period. Press and hold  to toggle comfort mode off for the selected time period.

STEP 2: When customisation is complete, press  to save the settings for that day. The next Daily program to be customised can be selected with  or  in the same way.

Resetting to Factory Settings

To reset the radiator to factory settings, make sure that the radiator is in standby mode. Press and hold  until the screen displays all digits and symbols then release it. This will clear all existing user customized settings and can now be reprogrammed.

Advanced Operation

Internal Set-up Menu

More advanced features and settings, including the Wi-Fi settings, can be accessed through the internal set-up menu:

F0: Temperature Compensation

F1: Sensor Mode Function

F2: Open Window Function

F3: Temperature Limitation Function

F4: Wi-Fi Function

F5: Time Synchronization

To access the internal set-up menu the radiator must be in standby mode. Press and hold  until 'F0' appears on the left-hand side of the circle. The current set value will be displayed on the right-hand side of the circle. Press  to cycle through the functions in ascending order.

F0: Temperature Compensation

This allows the thermostat on the radiator to be calibrated to the true room temperature. Press  to increase the temperature and press  to decrease it. The temperature can be adjusted to compensate for temperature differences of +/-5°C in 1°C increments. When the desired level of compensation is set, press  to confirm and move to the next function.

F1: Sensor Mode Function

This is the amount of time the radiator will continue to heat the room after people are no longer detected in the sequence described below.

1st Time Period	The room will be heated at comfort temperature
2nd Time Period	If no motion is detected, the room will be heated at 1°C below comfort temperature.
3rd Time Period	If no motion is detected, the room will be heated at 2°C below comfort temperature.
4th Time Period	If no motion is detected, the room will be heated at economic temperature.

If no motion is detected for 24 hours after 4th time period, the room will be heated at frost-prevention temperature.

If a person is detected, the sequence will be reversed with the radiator moving back one time period each time a person is detected until the original comfort temperature is reached.

There are 4 time period options available 15,30,45 and 60 minutes.

Press  to increase the time setting and then press  to decrease it. When the desired time period is set, press  to confirm and move to the next function.

F2: Open Window Function

If the radiator detects that the room temperature has dropped more than 2°C within 5 minutes (for example, if a window is opened), the radiator will change to frost-prevention mode to save energy for the time period selected before reverting to the previous mode to reheat the room.

There are three time period options available: '0'(off),60 and 90 minutes. Press  to increase the time setting and then press  to decrease it. When the desired time period is set, press  to confirm decrease to the next function.

F3: Temperature Limitation Function

The radiator will automatically limit the max. temperature of the unit to reduce the risk of burns and scalds.

There are 6 settings : H0 (off) , H1 (40°C), H2 (45°C), H3 (50°C), H4 (55°C), H5 (60°C). Press  to activate the function. The  will be displayed to show the mode is activated. Press  or  to increase/decrease the temperature. When the desired temperature is set, press  to confirm and move to the next function.

Note:

The heating element will switch off when the radiator reaches the temperature set. This is controlled by an internal temperature sensor and does not represent the external surface temperature of the radiator. Limiting the temperature of the radiator in this way will limit the effectiveness with which it heats the room.

WARNING: Keep children and vulnerable people away from the radiator to reduce the risk of injury.

F4: Wi-Fi Function

IMPORTANT: Before attempting to connect the device via Wi-Fi, ensure the router has been split into 2.4 GHz and 5 GHz networks and the mobile device is connected to the 2.4 GHz network. The radiator is only compatible with 2.4 GHz bandwidth. Please contact the internet service provider for instructions on splitting the 2.4 GHz and 5 GHz bandwidths.

This allows the radiator to be connected to a Wi-Fi network and controlled from a smartphone app. The radiator can still function normally without Wi-Fi connection but adjustments can only be made from the control panel and not remotely. Press  to turn on the Wi-Fi function; 'on' will be displayed on the screen. Press  to turn off the Wi-Fi function; 'oF' will be displayed on the screen. Press  after set up to exit the internal set up menu.

F5: Time Synchronization

This allows the radiator to sync the time with a connected mobile device. Press  and  to switch between 'on' and 'off'. When switched off, the internal clock of the radiator will be used.

Child Lock

Enabling and Disabling the Control Panel Lock (Child Lock)

To enable the control panel lock, press and hold  and  simultaneously until  appears. This will deactivate all of the controls except for the power button and on/off switch. To deactivate the control panel lock, press and hold  and  simultaneously until  disappears.

NOTE:

The control panel lock cannot be enabled or disabled when the radiator is in standby mode. Turning the radiator off with the on/off switch will disable the Control Panel lock.

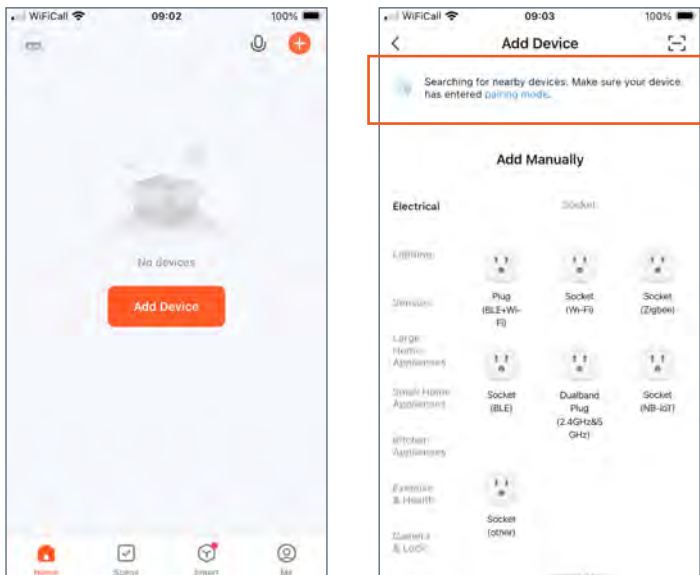
Connecting the Radiator to the Smartphone App

Download and install the Tuya Smart Life app on a compatible device. Register an account and ensure that the mobile device is connected to the same 2.4GHz Wi-Fi network as the radiator.

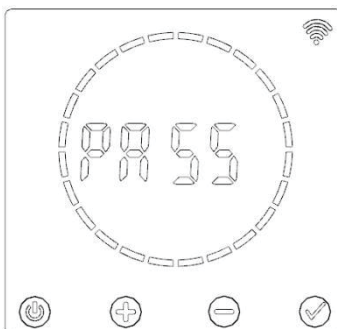
Smart Radiator Quick Set-Up Steps

1	Make sure the radiator is plugged in, and the Wi-Fi function is enabled, following the instructions in the section entitled 'F4: Wi-Fi Function'	
2	With the radiator in standby, press and hold  until the screen shows a countdown.	
3	On the mobile device, ensure that the Tuya Smart Life App is set-up and ready to connect.	
4	Open the smart life App, Once signed into the App, select "Add device"	

The app should now start scanning as shown by the icon on the screen. The app may ask you to choose your WiFi network and enter Your Wi-Fi network password. Please enter your details and press “Next” The app will demonstrate that it has found the radiator (see below)
Press “Add” the tap the + icon.



The message ‘Added Successfully’ will be displayed on the mobile device and the message ‘**PASS**’ will be displayed on the radiator control panel. Click on the icon of the device to begin controlling the device functions.



Wi-Fi Connection - Troubleshooting

If the radiator does not connect on the first attempt:

1. Make sure both the radiator and your smart device are in range of your router.
2. Make sure you complete the connection process in 3 minutes. If the 180 seconds has reached the end of its count, begin the process again.
3. Ensure your router has a strong internet connection.
4. Ensure Wi-Fi is enabled on the radiator.
5. Ensure Wi-Fi and Bluetooth are enabled on your smart device.
6. Make sure your smart device is connected to the same Wi-Fi network as that to which you are attempting to connect your radiator.
7. Ensure you are connected to a 2.4G Wi-Fi. See instructions within the app if you are currently connected to a 5G band.
8. Check any local restrictions on your Wi-Fi. Wi-Fi networks in public places such as hotels and airports may require extra identification steps.

Pairing Your Device Secondary Method

Note: if you are using a VPN, make sure this is disabled before continuing and ensure that a 2.4GHz Wi-Fi band is enabled for this device. This method requires Bluetooth connectivity.

Once you are on the home page of the Tuya Smart app, Press the plus button ' + ' on the top right hand side of the app.

Under the 'Add Manually' menu, select the "Small Home Appliances" category on the left-hand side of the app. Then select "Heater (Wi-Fi)" from the devices list.

Enter the Wi-Fi password for the network your mobile/tablet is currently connected to and then press the 'next' button.

Press and hold the pairing button on your device for 5 seconds, the Wi-Fi connection indicator  will begin to flash rapidly.

Select the 'Confirm the indicator is blinking rapidly' option on the App, then press the 'next' button to begin the pairing process.

Shortly into the pairing process, the flashing Wi-Fi light will stop flashing and become stable. This indicates that the device has joined the network.

Once the pairing process is complete, you can rename the device as required or press 'Done' to complete the pairing process.

Note: if the pairing process was not successful, follow the procedure again ensuring that the conditions for pairing have been met.

Smart Home Assistant For Smart Home Assistant services such as Google Home or Amazon Alexa

Follow the on-board instructions on the TuyaSmart App. This can be found under the 'Me' section on the home page of the App.

Note: The Smart Home Assistant services supported by the TuyaSmart App may change as it is a 3rd party App Service.

Any services that may be removed are the responsibility of TuyaSmart developers and not Osily.

Reset to Default Settings

When in STAND BY Mode, press and hold the On/Off button  10s to reset your radiator and reinstall the original factory configuration.

The full screen will display for 3 seconds and then go to stand by press  to turn on the radiator.

High and Low Temperature Alarm

PROBLEM	CODE
The room temperature sensor is disconnected or the room temperature is too low	Err 1
The room temperature sensor is short-circuited or the room temperature is too high	Err 2

IV / MAINTENANCE

TURN OFF THE UNIT BEFORE ANY MAINTENANCE.

Clean with a soft damp cloth.

Always disconnect the appliance and let it completely cool before any maintenance.

Clean your appliance at least once a year with a vacuum cleaner to remove any dust deposits when switched off and unplugged.

Never immerse the device in water or any other liquid.

The coating of your radiator ensures perfect and unalterable protection. To clean it, use only a neutral detergent (cleaner or non-abrasive solvent). The thermostat housing is made of plastic, do not use solvents for maintenance.

Any repair must be carried out by the manufacturer, its representatives or by the after-sales service.

WARNING

Never cut the power cable supplied with your radiator, if it is cut, the electrical part of the radiator cannot be guaranteed. Never try to open the radiator even when it is not electrically powered.

IMPORTANT

Temperature changes are normal when using an electric thermostat in case of electrical changes, or changes in ambient conditions outside the room. The set value is correct for radiators installed in standard environments. It is normal for the regulation to be different for the same temperature in two different atmospheres (environmental influence).

Disposal



For end of life disposal of this product please do not dispose of with household waste. Please recycle where facilities exist. Check with your Local Authority or supplier for recycling information.

Warranty

This product is guaranteed under warranty and covers defects in material or workmanship for 3 years from the date of purchase. The warranty will not apply in cases of: Misuse: by non-compliance of the instructions, normals wear and tear, incorrect use, e.g. overloading, non-approved accessories, force or damage caused by external forces, if the plug has been tampered with or removed, partially or completely dismantled product, or interference by non-qualified persons.

TECHNICAL SPECIFICATION		TECHNICAL SPECIFICATION	
Voltage	220-240V AC/50Hz	Earthing Class	Class II
Wattage	700W, 1000W, 1500W, 2000W	Motion Sensor (5.8G band) Operation frequency	5725-5875MHz
Set Temperature Range	7-30°C	Max RF power transmitted	5.28 dBm (3.37W) <13.98 dBm (25mW)
Set Temperature Resolution	0.5°C	Wi-Fi Frequency (2.4G band)	2400-2483.5MHz
IP Rating	IPX0	Operation Frequency Max RF power transmitted	17.21 dBm (52.6W) <20 dBm (100mW)

ERP INFORMATION					
Model	OSDCR700-**	OSDCR1000-**	OSDCR1200-**	OSDCR1500-**	OSDCR2000-**
Heat Output					
Nominal heat output (P _{nom} /kW)	0.7	1.0	1.2	1.5	2.0
Minimum heat output (indicative) (P _{nom} /kW)	0.7	1.0	1.2	1.5	2.0
Maximum continuous heat output (P _{max.c} /kW)	0.7	1.0	1.2	1.5	2.0
Auxiliary Electricity Consumption					
At nominal heat output (el _{min} /kW)	N/A	N/A	N/A	N/A	N/A
At minimum heat output (el _{min} /kW)	N/A	N/A	N/A	N/A	N/A
In standby mode (el _{SB} /W)	0.00106	0.00106	0.00106	0.00106	0.00106

UK PSTI STATEMENT OF COMPLIANCE

Osily Heating as manufacturer, hereby declare, that the below product(s) covered in this document are in conformance with the applicable security requirements in Schedule 1 of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 ("Security Requirements").

Product Type	Osily Smart Ceramic Radiator
Models	OSDCR1000-V*. OSDCR1500-V*. OSDCR2000-V*. OSDCR700-R*. OSDCR1000-R*. OSDCR1500-R*. OSDCR2000-R*. OSDCR1000-P* OSDCR1200-P*. OSDCR1500-P*
UK Defined Support Period	2 years (until 31/07/27)
Manufacturer's Name	Osily
Manufacturer's Address	AER, Zac du Caillou, Rue Jules Verne, 69630, Chaponost, France

This statement of compliance is prepared by or on behalf of the manufacturer of the product:

Name: P. Staniforth

Title: Technical Manager

Signature: *P Staniforth*

Place: Yesss House. Foxbridge Way. Normanton. WF6 1TN

Date: 01/07/2025

Please note that this statement of compliance, including the Defined Support Period stated herein, is only applicable to products sold in the UK.