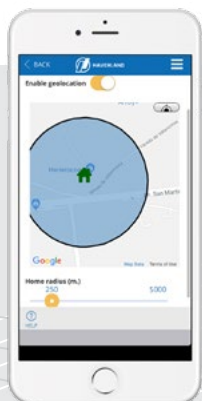


# ECO-DRY GPS

## Dry Stone technology

### Instructions & installation manual



**HAVERLAND  
APP**



### Voice Control



**IF YOU HAVE ANY DIFFICULTY WITH  
THIS PRODUCT, INSTEAD OF TAKING  
IT BACK TO THE RETAILER, TRY:**

- 1. The instruction booklet**
  - 2. Refer to [haverland@haverland.co.uk](mailto:haverland@haverland.co.uk)**
  - 3. Or call our helpline:**
- UK: 0330 365 1940**



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## 1. CAUTION

- **Please read these instructions carefully.**
- To disconnect mains power from the radiator remove the plug from the wall socket, but **never pull on the cable.**
- Do not leave the mains cable in contact with the radiator when it is switched on.
- During operation, the radiator must be kept well away from combustible materials, such as curtains, carpets and furniture etc.
- **The warranty for the radiator does not cover any damage caused by not reading these instructions.**



**WARNING:** In order to avoid overheating, do not cover the heater.



• **WARNING:** If the mains power cable is damaged, it must be replaced by the manufacturer, with their after-sales service or similar qualified persons, in order to prevent any danger.



• **WARNING:** If the heater is to be installed in a bathroom, it must be positioned so that it cannot be touched by anybody in the bath or shower.



• **The installation should be carried out with consideration to the manufacturer's instructions and in accordance to the relevant National Wiring Regulations BS7671.**

- It is very important that radiator has a good Electric Earth connection.
- The radiator shall be installed so that its mains plug is always accessible.
- The radiator must not be installed below or in front of a mains socket.
- **This radiator cannot be surface-mounted with a wall. Safety distances shall always be respected.**

## 1. CAUTION

- **The radiator has a keyboard blockage option to prevent children from changing the programming.**

- This unit is not designed to be handled by persons (including children) with physical, sensorial or mental handicaps, with little experience or knowledge unless they are under the supervision of an adult responsible for their safety with the instructions on its use. Children shall always be supervised to ensure they do not play with the unit.

- Children under three shall be kept well away from the heater unless they are continually supervised.

- Children between three and eight shall only switch the unit off or on providing it is positioned or installed in its final operating location and be supervised or have received instructions on how to use the unit in a safe manner and understand the risks involved.

- Children between three and eight shall not plug in, adjust or clean the heater or carry out any maintenance operations.

- This unit may be used by children older than eight and by persons with physical, sensorial or mental handicaps, with little experience or knowledge, provided they have been duly trained and are supervised by an adult that understands the risks involved.

- Cleaning and maintenance shall be performed by adults not children. Children must not play with the unit.



- **WARNING: Certain parts of this product can become very hot and cause burns.** Special attention shall be paid when children and other vulnerable persons are present.

- Do not touch the external parts of the radiator when it is operating.

- It is quite normal that, with the first switch-on, the unit produces a “new” smell. Allow your heater to operate in a well-ventilated place for two or three hours.

## 2. INSTRUCTIONS FOR INSTALLATION

• Before the first switch on for the coming winter or when the heater has not been used for several days, the unit should be cleaned (follow the steps given in the “maintenance section”). This cleaning operation will avoid burning the accumulated dust and other remains.



• This radiator **CAN'T OPERATE** with external programmable controllers or any other exterior control device.

• **CAUTION:** Keep bags and other accessories well out of the reach of children.

• The convection effect, together with other ambient factors, can cause discolouring to metal surfaces and to plastics.

• Temperature differences can cause crackling and other noises in the unit. This does not indicate any failure in the radiator.

• When the radiator is disposed of, the requirements established by current legislation on waste processing and recycling shall be taken into account.



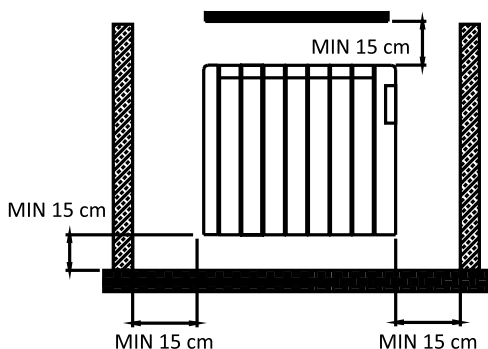
### IMPORTANT

• It is important that the radiator **IS FIXED FIRMLY TO A SOLID AND LEVELLED WALL.**

• Make sure that there is a socket near the area where you are going to place it.

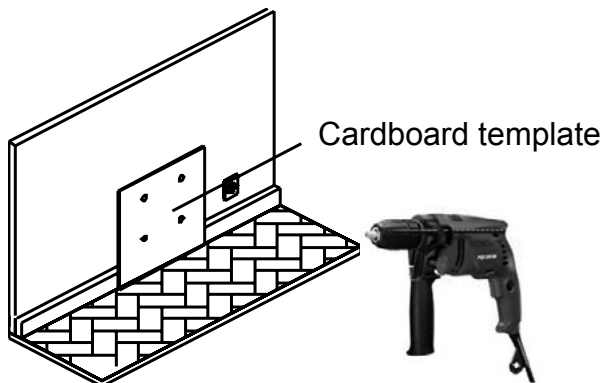
• Take out the wall pattern from the box to see the exact positions of the necessary drill holes.

• You must keep a minimum distance of 15 cm between the radiator and any object, wall or combustible material.



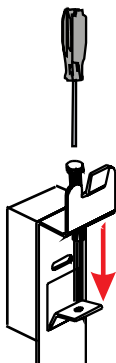
## 2. INSTRUCTIONS FOR INSTALLATION

1

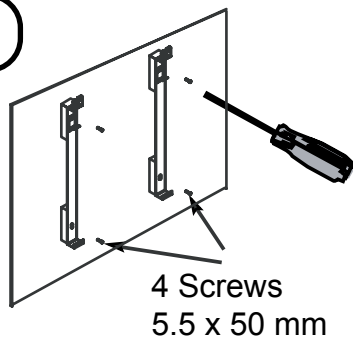


2

Place the screw  
but don't  
screw it fully.  
(M. 6 x 40 mm)

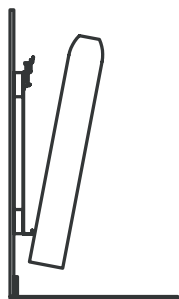


3



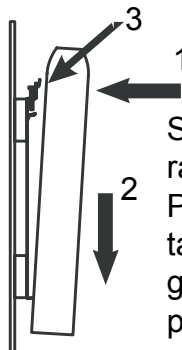
4

Place  
the radiator



5

Slide the  
radiator up,  
Place over top  
tang and lower  
gently into  
position



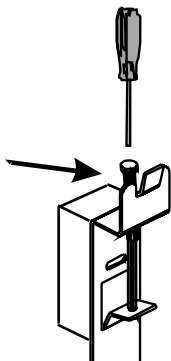
## 2. INSTRUCTIONS FOR INSTALLATION

6



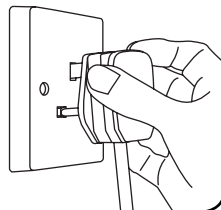
### IMPORTANT:

Screw down  
**FULLY** to lock  
the radiator



7

**Plug in**  
3 pin 13 amp  
plug

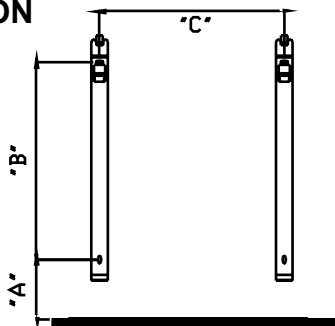


8

Press ON /  
OFF switch  
located at the  
right rear part  
of the unit.



### INFORMATION

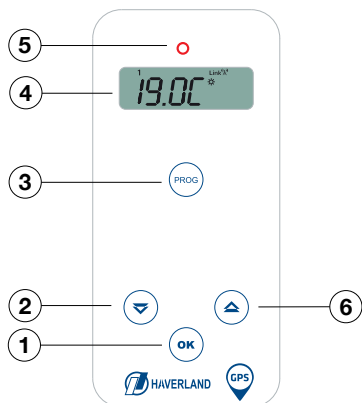


(W)	"A" (mm)	"B" (mm)	"C" (mm)
600	420	246	159
900	420	246	319
1200	420	246	478
1500	420	246	638
1800	420	246	638



## 3. OPERATION

### 3.1 CONTROL PANEL



1. Change mode / OK buttons
2. Decrease button
3. Configure / Programme button
4. Screen
5. "In operation" indicator LED
6. Increase button



#### Screen Icons

1 2 3 4 5 6 Day of the week

88:88 Temp/Time

Link Associated radiator

Temperatures

ITCS Function

Open windows function

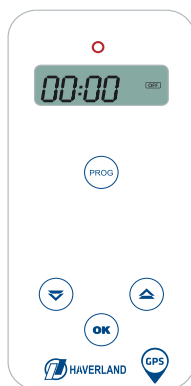
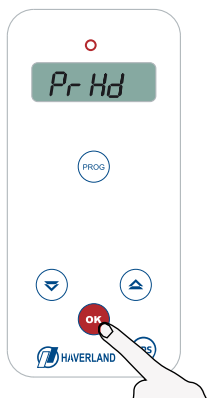
<b>AUTO</b>	Auto
	Manual
<b>OFF</b>	Stand-by
<b>FP</b>	Pilot wire
<b>AWAY</b>	GPS

### 3.2 START - FIRST CONNECTION

As soon as the radiator is connected to electricity, press the switch located on the right side:

1. if this is the first time you are connecting the radiator, **"Pr:Hd"** will appear on screen.


2. Press the button. Then, the clock will display and it will switch to "OFF".




## 3. OPERATION

### 3.3 OPERATING MODES

The device has 3 operating modes: OFF, AUTO (PRO) or MANUAL.

By pressing the  button successively, the transmitter changes from “OFF” mode to “AUTO mode” (PRO) and to “MANUAL” mode.

Successively press the  button to change the operating mode.



  
**OFF  
Mode**



  
**AUTO  
Mode**





  
**Manual  
Mode**



The background colour of the screen will change when the pre-set temperature is modified or changed, indicating the selected temperature range to the user by showing:

- **Red** if the temperature is over 24°C
- **Yellow** if it is higher than 19° and up to 24°C
- **Green** if it is equal to or lower than 19°C

### 3.4 MODO OFF

Press the  button until  appears on screen. The device ALWAYS remains switched off.



## 3. OPERATION

### 3.5 AUTO MODE (PRO)

Press the  button until *Pro* y  appear on screen.

The pre-set temperature will change automatically according to the bespoke programming, based on 3 pre-set temperatures (Comfort, Eco, Anti-freeze) or the OFF status.



In Auto mode, the temperature can be temporarily raised or lowered. This temporary modification is maintained until the next programming cycle or until midnight.







You can choose a temperature between 5 and 30 °C

#### 3.5.1 TIME PROGRAMMING:








For an efficient use of your radiator, we recommend using the AUTO (PRO) mode. Programme your device with the specific hours you require heating in the room.


The radiator can be assigned one of the 3 possible temperatures for each hour or can be set to OFF. The programming can be different every day.

- Comfort temperature  for the hours you spend at home.
- Economy temperature:  for night hours or short periods of absence from your home.
- Anti-freeze temperature  : for periods of prolonged absence.
- OFF  : When you want to program periods of disconnection (switch the radiator off).

## 3. OPERATION

### 3.5.2 SETTING THE CLOCK:

ACTION		SCREEN														
<b>1</b>	Press the  button for <b>3 seconds</b> . The day will flash.															
<b>2</b>	Press the   buttons to set. Press  to validate.															
	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>MONDAY</td><td>TUESDAY</td><td>WEDNESDAY</td><td>THURSDAY</td><td>FRIDAY</td><td>SATURDAY</td><td>SUNDAY</td></tr></table>	1	2	3	4	5	6	7	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	
1	2	3	4	5	6	7										
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY										
<b>3</b>	Then, set the hour and minutes in the same way.  Press  to exit the "Setting the clock" menu.															

 If the radiator is linked with a HAVERLAND SMARTBOX (not supplied), the "time" will automatically change via the internet (see point 3.13 GEOLOCATION - CONTROL "VIA APP").

### 3.5.3 WEEKLY PROGRAMMING:

Depending on your needs, the radiator has 4 options for setting a weekly programme.

#### OPTION 1: EVERY DAY WITH A DIFFERENT PROGRAMME.

Set each day of the week to have a different program.



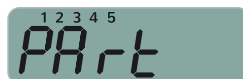
#### OPTION 2: SAME PROGRAMME FOR EACH DAY OF THE WEEK.

The programme set for Monday is repeated on each other day of the week.



#### OPTION 3: WEEKDAYS AND WEEKENDS PROGRAMME.

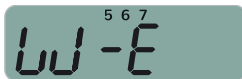
The same programme is firstly scheduled for Monday through to Friday, and then the weekend has a different programme.

















### 3. OPERATION

#### OPTION 4: WEEKEND PROGRAMMING. IDEAL FOR SECOND HOMES.

The programme is automatically set to OFF from Monday to Thursday, and then the same programme is set for Friday, Saturday and Sunday



ACCIÓN	PANTALLA
<b>1</b> Press the  button for 3 seconds. The day will flash.	
<b>2</b> Press  to exit the "Setting the clock" menu and enter the "Programming option" selection menu.	
<b>3</b> Press the   keys to choose the desired programming option: ONE, ALL, PART or WE.  Press  to confirm.	
<p>The time 00:00 and day 1 is selected. If the programme has been previously configured, the last change will be displayed.</p> <p> The default factory programme is all days and hours in economy.</p>	
<b>4</b> Successively press the  key to choose the desired mode for this hour of day 1:  Anti-freeze ❄️, economy 🌙, comfort ⚙️ or OFF [OFF].	<div data-bbox="768 1034 1011 1145">   <b>Anti-freeze</b> </div> <div data-bbox="768 1153 1011 1265">   <b>Economy</b> </div> <div data-bbox="768 1281 1011 1393">   <b>Comfort</b> </div> <div data-bbox="768 1409 1011 1520">   <b>OFF</b> </div>



### 3. OPERATION

#### ACTION


#### SCREEN

- 5** Press the   keys to progress or go back to the next hour.



By holding the  or  buttons, the hours change quickly without modifying the programming.




- 6** Successively press the  key to choose the desired mode for hour 1:00 of day 1:


Anti-freeze , economy , comfort  or OFF .

Repeat the process for each hour and day to configure according to the chosen programming option.



By holding the  button for 3 seconds, you can copy the chosen mode (comfort, economy, anti-freeze or standby) from the previous hour.



By pressing the  button, you can go forward a day and exit the programming menu..



The LED located above the screen will switch on when the radiator is heating.



In AUTO mode (PRO), the screen will alternatively display the word PRO and the chosen pre-set temperature, according to whether it is in comfort, economy or anti-freeze.





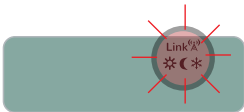














## 3. OPERATION

### 3.5.4 HOW DO I CHANGE THE PRE-SET TEMPERATURES?

In AUTO mode (PRO), the pre-set temperatures (comfort, economy and anti-freeze) will automatically change according to the programming established by the user, who will assign of the four possibilities to each hour:

Anti-freeze ❄️, economy 🌙, comfort ☀️ or OFF [OFF].

To establish the values of the three temperatures:

ACTION	SCREEN
<p><b>1</b> Press the  button. The following symbols will appear on screen:</p> <p>By default, the option to define temperatures is already selected (flashing).</p> <p>Press the  button.</p>	
<p><b>2</b> Once in the temperature selection screen, the comfort icon ☀️ will appear next to the currently pre-set value.</p> <p>Press the   buttons to choose the desired comfort temperature.</p> <p>Press the button  to choose the economy temperature</p>	
<p>Press the   buttons to choose the desired economy temperature.</p> <p>Press the  button to choose the anti-freeze temperature.</p>	
<p>Press the   buttons to choose the desired anti-freeze temperature.</p> <p> The anti-freeze temperature can be adjusted between 5 and 7°C.</p> <p>Press the  button to confirm.</p> <p>To exit the menu, press the  button.</p>	

### 3. OPERATION



The background colour of the screen will change when the pre-set temperature is modified or changed, indicating the selected temperature range to the user by showing:

- **Red** if the selected temperature is over 24°C
- **Yellow** if it is higher than 19° and up to 24°C
- **Green** if it is equal to or lower than 19°C










**The adjustment of the comfort and economy temperatures can be set between 7°C and 30°C, taking into account that the economy temperature WILL ALWAYS BE 2°C LOWER than the selected comfort temperature, and the economy temperature WILL ALWAYS BE 2°C HIGHER than the selected anti-freeze temperature.**



## 3. OPERATION

### 3.6 MANUAL MODE

In manual mode, the radiator works like a room thermostat.

ACTION	SCREEN
<p><b>1</b> Choose the manual mode by pressing the  key until the “hand” symbol  appears on screen.</p> <p>The temperature shown on screen is the temperature that was previously selected in manual mode.</p> <p> The pre-set factory temperature, in manual mode, is 19°C.</p>	
<p><b>2</b> Press the   buttons to choose the desired temperature, for example, 21°C.</p>	



The LED located above the screen will switch on when the radiator is heating.



**The temperature selected in manual mode is not related to the comfort temperature. They are independent temperatures and, therefore, must be configured separately.**

## 3. OPERATION

### 3.7 LOCKING THE KEYPAD

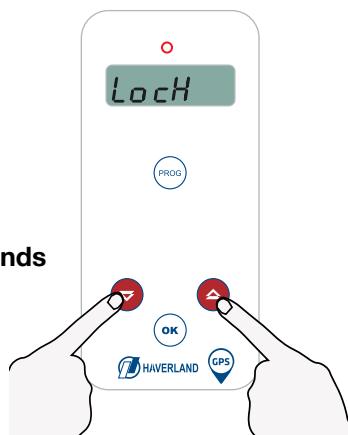
Simultaneously press the  and  buttons until the word **LoCh** appears on screen.

The same operation must be performed to unlock the keypad.





“LoCh” will appear on screen if the keypad is locked.

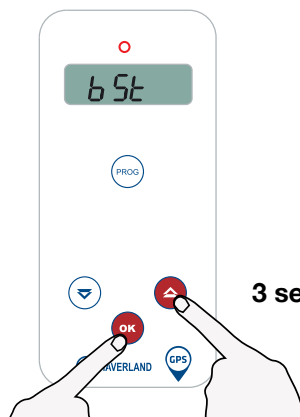
3 seconds



### 3.8 BOOST FUNCTION - 2 HOUR FUNCTION

This function puts the device into operation at full power for two hours, regardless of the operation mode that is selected. This function has priority over any other.

To activate this function, simultaneously press  and  buttons until the “bSt” appears on screen.



3 seconds



By activating this function, “bSt” appears on screen.


You can deactivate the Boost function before the 2 hours have elapsed by pressing any button.

## 3. OPERATION

### 3.9 “OPEN WINDOWS” SAVE FUNCTION

This function activates when there is a sudden drop in the room's temperature.



By activating this function, the symbol  appears on screen. The device will disconnect, preventing an unnecessary consumption of energy.



When closing the window, the radiator will detect a rise in temperature and this function will deactivate.

The device will switch on again, returning to the status it was in before it disconnected.




This intelligent function is activated as standard. This can be deactivated by the user; consult point 3.11 “Advanced functions”.

### 3.10 INTELLIGENT ITCS FUNCTION

The radiator incorporates an **innovative intelligent temperature control system (ITCS)**.

This system activates the start-up of the device **before the programmed time** (2 hours maximum), to ensure that the desired temperature is achieved at the indicated time and by following the established weekly programme.



By activating this function, the symbol  appears on screen.



This intelligent function is deactivated as standard. This can be activated by the user; consult point 3.11 “Advanced functions”.

## 3. OPERATION


### 3.11 ADVANCED FUNCTIONS

This radiator incorporates the following functions:


Function	Setting
<b>C1</b> Adjustment of °C or °F	This allows you to change from degrees Celsius to degrees Fahrenheit.
<b>C2</b> Adjustment of the control type (PID, hysteresis, etc.).	This function is for users with knowledge in electronics. Please do not enter this function, it could reconfigure the device.
<b>C3</b> Temperature measurement adjustment	This allows you to calibrate and adjust the temperature measured by the thermostat.
<b>C4</b> Firmware version.	Version number of the device's firmware.
<b>C5</b> Open windows activation/deactivation function	This allows you to activate or deactivate the open windows function. The function is activated by default.
<b>C6</b> ITCS activation/deactivation function	This allows you to activate or deactivate the ITCS function. The function is deactivated by default.
<b>C7</b> "Pilot wire" activation/deactivation function	This allows you to activate or deactivate the "Pilot wire" function. The function is deactivated by default. This function is only available in France.

#### ACTION

#### SCREEN


**1** Press the  button.



**2** Press the  button again for **5 seconds**. Then, the first setting, C1, appears on screen.









**3** Press the   buttons to choose the setting you wish to modify (C1 to C7), for example, C6.

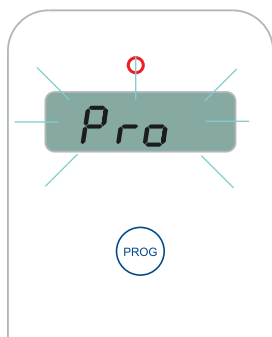
Press  to enter the setting you wish to modify.



## 3. OPERATION

ACTION	SCREEN
<b>4</b> Press the   buttons to modify the chosen setting.	
<b>5</b> Press  to confirm the setting. The device will automatically exit the advanced settings menu.	
<b>6</b> Press the  button to exit.	

### 3.12 DISCONNECTION FROM THE ELECTRICITY / POWER CUT



If the radiator remains disconnected from the electricity (for example, the radiator switch is disconnected) or if a power cut occurs that lasts **longer than 30 minutes**, **“Pr:Hd”** will appear on screen and the screen will flash red.

**You must set the time and day by following point 3.5.2 SETTING THE CLOCK.**

All other programmed parameters will remain in the memory



If the radiator is connected to a Haverland Smartbox (not supplied), this “Pr:Hd” message will not appear, as the time and day will be recovered via the Internet.

## 3. OPERATION

### 3.13 GEOLOCATION - CONTROL "VIA APP"

To control all functions of your radiators, through your smartphone or tablet and via our free Haverland app, you will need a Haverland Smartbox (**not supplied with the device**).


Our Haverland Smartbox connects your radiators to the Internet using the property's router.



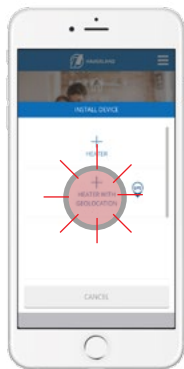
The Smartbox communicates with the radiators via radio frequency, and with the router through an Ethernet cable (supplied with the Smartbox).

If you would like to purchase our Haverland Smartbox, please contact your distributor.

#### 3.13.1 HOW DO I CONFIGURE THE SMARTBOX WITH MY RADIATORS?

Once you have installed our Smartbox (follow the steps described in its manual), you can download our Haverland app  for free on the Apple Store or on Google Play. Follow the wizard on the app.

Once you have registered into our system (user account and your Smartbox is registered), press **" + HEATER WITH GEOLOCATION "**. The Smartbox is now in "discovery mode".

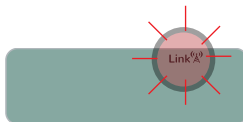


Then, to add the device to the app, press the  button for 3 seconds on your radiator. The device is now installed on your app.

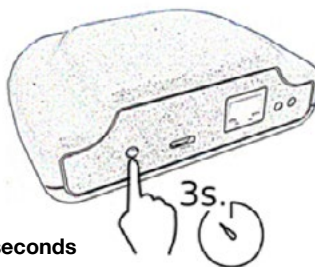
You can manage all its functions from your smartphone or tablet.

## 4. MAINTENANCE

Once you have followed this step, the Link<sup>(g)</sup> indicator will appear on the screen of your radiator.



If you are an installer, you do not need to download our app to install your customer's equipment. To activate our Smartbox in "discovery" mode, press the button on the back of the Smartbox for 3 seconds (see image).



### 3.13.2 GEOLOCATION

Once you have installed the Smartbox and downloaded our Haverland app, you may activate the "geolocation" function via the app. Once activated, if you are away from home and activate the **AWAY** mode, the temperature will automatically reduce to the one that was established when setting up the app. Adjust the distance detection on the app.

If you wish to deactivate the "geolocation" function, press any button on the device's panel.



works with the  
Google Assistant



Google is a trademark of Google LLC.

## 4. MAINTENANCE

Your device does not require any type of special maintenance.

You need only clean any dust that may accumulate with a dry and soft cloth.

We advise that you clean any accumulated dust from the radiator surface at the beginning of the winter season.



**NEVER USE SOLVENTS OR ABRASIVE PRODUCTS.**

## 5. GUARANTEE

MARSAN INDUSTRIAL, S.A. guarantees that the devices comply with the contracted specifications.

This warranty only covers the model of heater showed on the valid invoice.

Such rectifications will be guaranteed against any manufacturing and operating defect for the normal and domestic use of this product, for a period of 24 months as from the purchase date shown on the invoice.

HAVERLAND guarantees against material, design or manufacturing faults at the moment of its original acquisition for 2 years. The electronic component and paintwork / finish for 3 years and 10 years for the aluminium body (exclude accidental damage, transport, and misuse).

This warranty only covers the device whose model appears on the purchase invoice.

This warranty DOES NOT COVER incorrect installation, maintenance, cleaning or conserving the device, and neither does it cover failures and faults due to force majeure, chemical agents or atmospheric phenomena, incorrect use of the device, the purchaser's faulty electrical installations, transporting the device or problems caused by the device being handled by persons not authorised by MARSAN INDUSTRIAL, S.A.

This warranty must not be modified, altered or extended, and the Manufacturer does not authorise anybody to act on his behalf to modify, alter or extend it.

This warranty applies only to the Product.

To repair the device, the consumer must dial the Technical Assistance Service at 0330 3651940 or send an email to [haverland@haverland.co.uk](mailto:haverland@haverland.co.uk) and ask for the information needed about the procedure to follow:

For a replacement, cancellation or price reduction, when in order, the consumer must go the establishment where the device was purchased. This warranty does not affect the consumers' rights as established in the provisions contained In Law 23/2003, the Consumer Goods Sales Guarantee Act.



**Customer Service Telephone:**  
**0330 3651940**



**E-mail: [haverland@haverland.co.uk](mailto:haverland@haverland.co.uk)**

**Made in Spain**

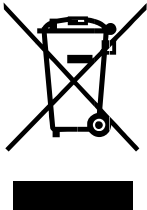
Haverland UK Limited  
Challengue House  
Sherwood Drive  
Bletchley MK3 6DP

Marsan Industrial, S.A. reserves the right to modify without previous warning





Models	ECO-DRY600 GPS	ECO-DRY900 GPS	ECO-DRY1200 GPS	ECO-DRY1500 GPS	ECO-DRY1800 GPS
Heat output					
Nominal heat output (kW)	0.6	0.9	1.2	1.5	1.8
Maximum continuous heat output (kW)	0.6	0.9	1.2	1.5	1.8
Auxiliary electricity consumption					
At nominal heat output (kW)	0.6	0.9	1.2	1.5	1.8
At minimum heat output (kW)	0.6	0.9	1.2	1.5	1.8
In standby mode (kW)	<0,001	<0,001.	<0,001.	<0,001	<0,001
Type of heat room temperature control	Electronic room temperature control plus week timer				
Other control options	- Room temperature control, with open window detection - With adaptive start control				
Name manufacturer	Marsan Industrial, S.A.				
Address	Avda. San Martín de Valdeiglesias, Km 2.2 28925 Alcorcón (Madrid) Spain				



Where you see this symbol on any of our electrical products or packaging, it indicates that the relevant electrical product should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product, please dispose of it in accordance with any applicable local laws or requirements for disposal of electrical equipment. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste.

ECO-DRY GPS

	W	Nº
ECO-DRY600GPS	600	4
ECO-DRY900 GPS	900	6
ECO-DRY1200 GPS	1200	8
ECO-DRY1500 GPS	1500	10
ECO-DRY1800 GPS	1800	12

230 V 50 Hz CLASS I IP X0
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