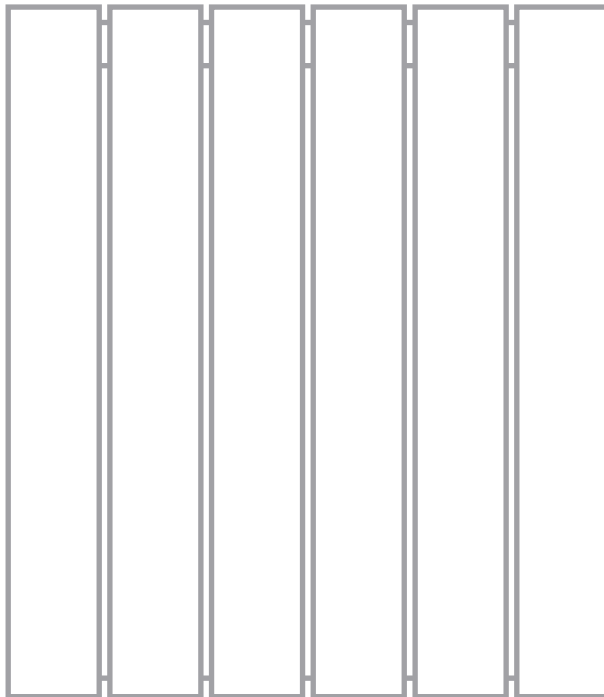




Product Instruction Manual

# Avignon



**AVG600T, AVG900T, AVG1500T, AVG1800T**

Aluminium radiator

V18.3/2



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Thank you for purchasing a Hyco Avignon electric radiator. The Avignon electric radiator is a stylish, modern fixed heating solution that is ideal for application in both home and office environments. Available in 4 power outputs, this range features a slim line design and uses advanced technology to provide comfort and efficiency across a variety of applications. Please read and understand these instructions before commencing installation, and leave them with the user when installation is complete.

## 1. Important safety points



The Electrical installation must be carried out by a qualified electrician in accordance with the current edition of the I.E.E. Wiring Regulations.



Only connect the unit to a single phase supply with a mains voltage as specified on the rating plate.



The supply cord cannot be replaced by the user. If the cord is damaged the appliance should be returned to the manufacturer or an authorised service agent for replacement.



Do not carry the appliance by the power cord.



Do not let the power cord hang over the appliance.



The heater must not be located immediately below or above an electrical socket outlet.



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 of less than 3 years should be kept away unless continuously supervised.



Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.



Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.



Only use the mounting bracket supplied and do not modify the bracket. In order to avoid overheating, do not cover the heater.



Fixed heaters likely to be used in bathrooms are to be installed so that switches and other controls cannot be touched by a person in the bath or shower.

## 2. Installation

### Wall Mounting



The heater must not be located immediately below or above an electrical socket outlet.

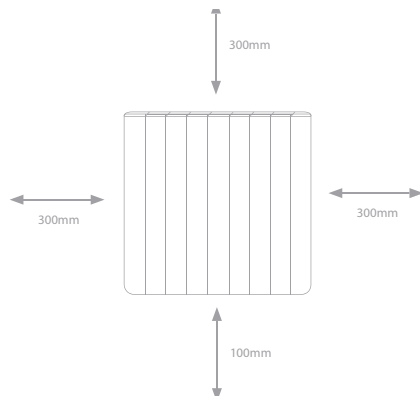


Only use the mounting bracket supplied and do not modify the bracket.

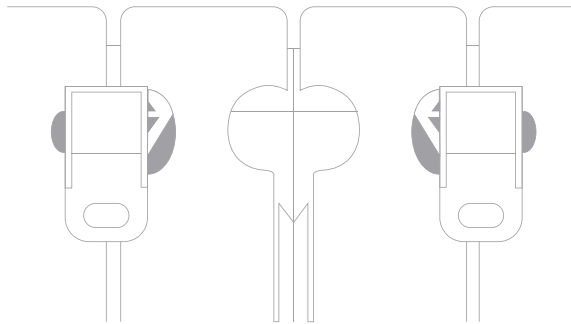


Fixed heaters likely to be used in bathrooms are to be installed so that switches and other controls cannot be touched by a person in the bath or shower.

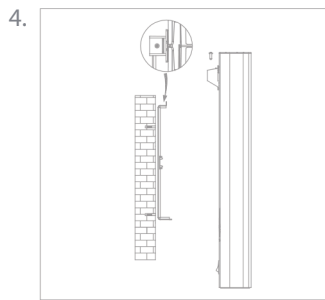
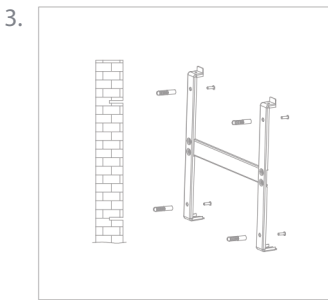
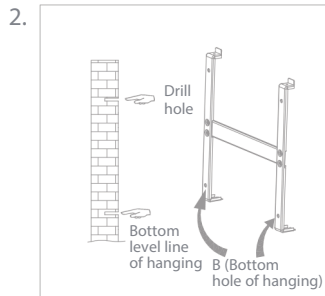
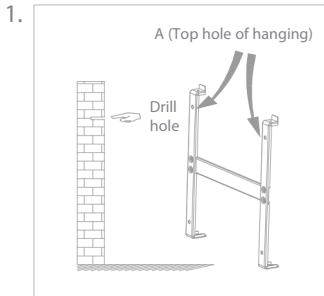
Choose a suitable location for the mounting of the heater ensuring that the surface will be strong enough to hold the weight of the product. Ensure that the minimum mounting distances are adhered to as per the diagram right:



- Hold the bracket up against the mounting surface, ensuring it is the correct way up (Fig 1) and mark the holes through the bracket onto the surface of the mounting wall. Drill holes using an 8mm drill bit (Fig1 and 2)
- Insert the plastic wall plugs and fasten the bracket onto the wall using the screws provided (Fig 3)
- Ensure that the plastic mounting brackets are fitted to the back of the radiator as shown



- Offer up the radiator to the bottom of the bracket and then push the top of the radiator forwards. Slot the top of the bracket into the plastic bracket on the back of the unit (Fig 4). Secure in place using the fixings provided and verify heater is securely fixed to the wall.



## Electrical



The Electrical installation must be carried out by a qualified electrician in accordance with the current edition of the I.E.E. Wiring Regulations.



Only connect the unit to a single phase supply with a mains voltage as specified on the rating plate.








If the heater is to be connected to the fixed wiring of the property then installation must include a double pole isolating switch with a break contact distance of at least 3mm.

The power cord should be connected following the colour coding below:

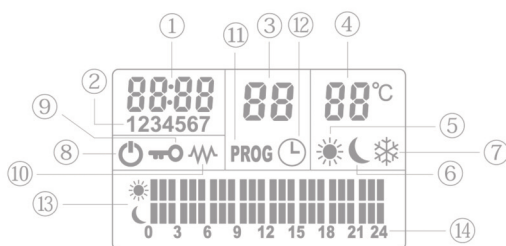
- Brown: L
- Blue: N
- Green / yellow: E

## 3. Operation

### 3.1 Panel controls

- |   |                             |   |                                    |
|---|-----------------------------|---|------------------------------------|
|  | ON/Off                      |  | Time, day and temperature settings |
|  | Mode selection and programs |  | Increase selected criteria         |
|  | Decrease selected criteria  |   |                                    |

### 3.2 LCD Display



- |                           |                  |                     |
|---------------------------|------------------|---------------------|
| 1. Hour                   | 6. Eco mode      | 11. Select program  |
| 2. Day                    | 7. Frost mode    | 12. Timer           |
| 3. Program number         | 8. Sleep mode    | 13. 24 hour display |
| 4. Programmed temperature | 9. Radiator lock | 14. Time scale      |
| 5. Comfort mode           | 10. Heating on   |                     |

### 3.3 Turning on the radiator

1. Switch power supply on to unit
2. Turn the radiator on using the switch on the underside of the appliance where the power cable enters the radiator
3. Briefly press the on/off button until the on/off icon on the display panel disappears – you are now in Free Operating Mode.

### 3.4 Unlocking the radiator

1. The radiator will automatically lock if left unattended for 30 seconds.
2. To unlock the radiator at any time (a key icon will be visible in the middle-left pane of the display) press the up and down arrows at the same time.

### 3.5 Setting the time and date

1. In Free Operating Mode, press C/M
2. The time digits in the top left of the display will start to flash.
3. Use the up and down arrows to select the desired hour.
4. Press C/M again to cycle through the minutes and repeat the process.

5. Press C/M again to cycle through the day settings – these are under the time and Monday to Sunday are represented as 1-7.
6. Press C/M again to confirm.

Please note: If during this process no button is pressed within 5 seconds, the process will be automatically restarted.

### **3.6 Free Operating Mode**

Free operating mode is the simplest way to get started with your radiator and allows you to set a temperature that is controlled by the thermostat.

1. Press and hold on/off until the on/off icon disappears from under the clock part of the display.
2. FR will appear in the middle of the display.
3. Use the up and down arrows to select the desired temperature.

### **3.7 Timer Mode**

Timer Mode is convenient if you want to control your energy usage or program the radiator to shut itself off after a certain amount of time (programmable in increments of 30 minutes).

1. Press and hold C/M until the clock icon appears in the middle of the display.
2. Once the clock appears, use the up and down arrows to select the amount of time you would like the radiator to stay on for. After the display has stopped flashing, a clock icon will appear.
3. The radiator will switch off when the counter reaches zero.
4. To exit or configure Timer Mode, press and hold C/M for 3 seconds.

Please note: The radiator may first need to be unlocked (See 'Unlocking the radiator').

### **3.8 Programming your radiator**

The heater can be programmed to work on a daily or weekly cycle of heating to suit your needs. There are two main heat settings: comfort (Sun icon) and Eco (Moon icon). The default factory settings are 22°C for Comfort mode and 17°C for Eco mode. There is a third default setting, Frost Watch (ice icon), which keeps the temperature at 7°C. It is possible to change these settings (except for the Frost Watch) to suit your comfort needs.

### **3.9 Entering Program Mode**

1. Briefly press P/Prog.
2. The middle panel of the display will flash after an audible beep.
3. The up and down arrows can now be used to cycle through the available programs P1-9 or AU.

Please note: The radiator may first need to be unlocked (See 'Unlocking the radiator').



### **3.10 Changing the default temperature settings in program mode**

1. In Program Mode, press and hold C/M until the radiator beeps, the temperature indicator will now be flashing with the Sun icon highlighted.
2. Use the up and down arrows to select the desired temperature setting for Comfort Mode.
3. When complete, press C/M button to cycle through to Eco Mode and again use the up and down arrows to select the desired temperature.
4. The selected temperatures will now be used when programming the radiator.

### **3.11 Pre-set programs P1-P9**

The radiator can be programmed to provide a customised 24-hour heating schedule. To keep things simple, the radiator comes with 9 pre-set programs to choose from (see "The 9 pre-set programs"). The time is indicated on the display in hourly increments, from midnight to midnight. A full bar represents an hour of Comfort Mode and a half bar represents an hour of Eco Mode. A flashing bar indicates the present hour. The pre-set programs are provided to make things easier for you. However, these programs are 100% customisable.

### **3.12 Fine tuning P1-P9**

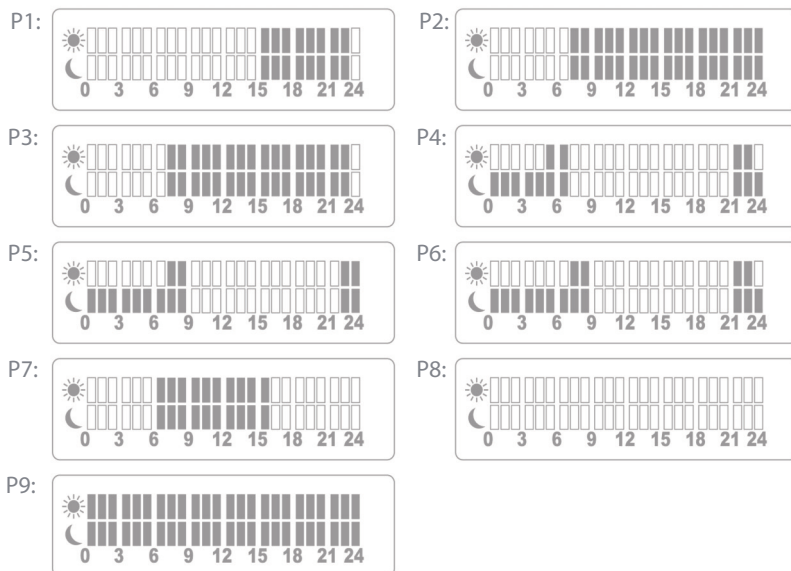
1. Select the program you wish to alter as above in "Entering Program Mode".
2. Once in the desired program, press and hold P/Prog.
3. The 24-hour clock display will now be flashing in the 00:00 position. You can now use the up and down arrows to cycle through the time on the hour bar. In each position for the 24-hour period, the C/M button can be used to select either Comfort Mode or Eco Mode.

### **3.13 Weekly program schedule**

The weekly program schedule allows you to program the radiator, taking into account any differences in your weekday and weekend habits.

1. Press P/Prog for 3 seconds to access the program menu.
2. Select AU.
3. Press and hold P/Prog until you hear a beep.
4. The number 1 (indicating Monday) should be visible in the middle box on the left-hand side of the display.
5. The up and down arrows can be used to scroll through the pre-set programs from P1-P9. When the desired program has been selected, press C/M to cycle through to Tuesday (2). Repeat until you have a schedule for the whole week.

### 3.14 The 9 pre-set programs



### 3.15 Open Window Function

Your radiator has an Open Window function. If you open a window widely in the space where the radiator is located, a sensor will detect the sharp drop in temperature. The radiator will respond by switching off automatically and displaying the symbol “FO” on the screen. The radiator will switch itself back on after 10 minutes. If, however, you wish to switch it back on before the 10 minutes have passed, you can simply press the radiators “ON” button. The symbol “FO” disappears from the display.

#### Activating the Open Window Function:



1. Press P/Prog once. Using the up and down arrows, select FO from the list of abbreviations and press P/Prog once to confirm your choice.
2. Once in the Open Window program, the following screen appears:



The symbol OF indicates “function not in operation”.

Using the up and down arrows, change the OF into ON, (ON meaning “function is in operation”).

The Open Window function is now selected.

To confirm your selection, press P/Prog once. If you do not press the P/Prog button, the activation of the function will be confirmed automatically after 5 seconds.

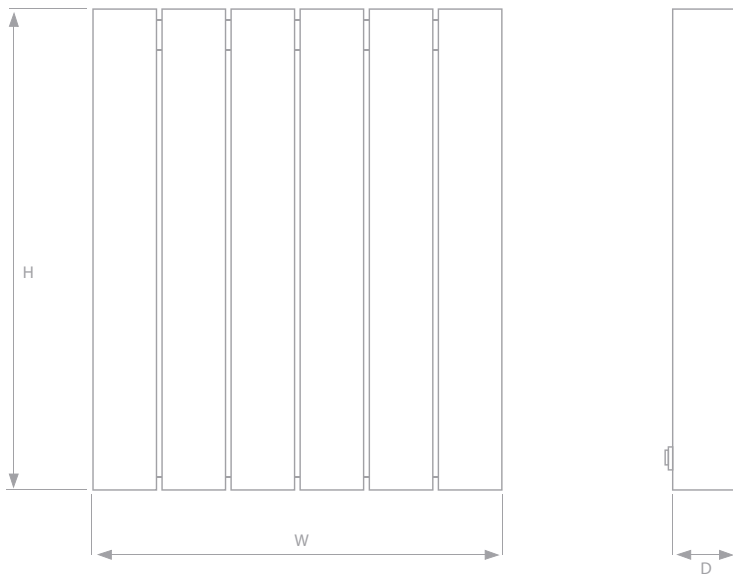
## 4. Maintenance

- Before cleaning, ensure the heater is disconnected from the mains supply and has completely cooled
- Wipe the exterior surfaces with a soft dry cloth
- Never use chemical or abrasive cleaners

Clean the radiator at least once a year with a vacuum cleaner to remove any accumulated dust.

## 5. Specifications

| Model      | AVG600T        | AVG900T        | AVG1500T       | AVG1800T       |
|------------|----------------|----------------|----------------|----------------|
| Voltage    | 230V~50Hz      |                |                |                |
| Power      | 0.6kW          | 0.9kW          | 1.5kW          | 1.8kW          |
| Weight     | 4              | 5              | 9              | 10             |
| Dimensions | 575 x 480 x 80 | 575 x 560 x 80 | 575 x 880 x 80 | 575 x 960 x 80 |



| Model identifier(s): AVG600T                                 |         |       |      |  |      |
|--|---------|-------|------|--|------|
| Item   | Symbol  | Value | Unit | Item   | Unit |
| Heat output  |         |       |      | Type of heat input, for electric storage local space heaters (select one)    |      |
| Nominal heat output  | Pnom    | 0.6   | kW   | manual heat charge control with integrated thermostat                        | No   |
| Minimal heat output (indicative)                             | Pmin    | 0.6   | kW   | manual heat charge control with room and/or outdoor temperature feedback     | No   |
| Maximum continuous heat output                               | Pmax, c | 0.6   | kW   | electronic heat charge control with room and/or outdoor temperature feedback | No   |
| Auxiliary electricity consumption                            |         |       |      | fan assisted heat output   | No   |
| At nominal heat output                                       | elmax   | 0     | kW   | Type of heat output/room temperature control (select one)                    |      |
| At minimum heat output                                       | elmin   | 0     | kW   | single stage heat output and no room temperature control                     | No   |
| In standby mode  | eISB    | 0.001 | kW   | two or more manual stages, no room temperature control                       | No   |
|  |         |       |      | with mechanic thermostat room temperature control                            | Yes  |
|  |         |       |      | with electronic thermostat room temperature control                          | No   |
|  |         |       |      | electronic room temperature control plus day timer                           | No   |
|  |         |       |      | electronic room temperature control plus week timer                          | Yes  |
|  |         |       |      | Other control options (multiple selections possible)                         |      |
|  |         |       |      | room temperature control, with presence detection                            | No   |
|  |         |       |      | room temperature control, with open window detection                         | Yes  |
|  |         |       |      | with distance control option   | No   |
|  |         |       |      | with adaptive start control  | No   |
|  |         |       |      | with working time limitation   | No   |
|  |         |       |      | with black bulb sensor   | No   |
| Contact details: Hyco Manufacturing Ltd, Castleford WF10 5NR |         |       |      | <a href="http://www.hyco.co.uk">www.hyco.co.uk</a>                           |      |

| Model identifier(s): AVG900T                                 |         |       |      |  |      |
|--|---------|-------|------|--|------|
| Item   | Symbol  | Value | Unit | Item   | Unit |
| Heat output  |         |       |      | Type of heat input, for electric storage local space heaters (select one)    |      |
| Nominal heat output  | Pnom    | 0.9   | kW   | manual heat charge control with integrated thermostat                        | No   |
| Minimal heat output (indicative)                             | Pmin    | 0.9   | kW   | manual heat charge control with room and/or outdoor temperature feedback     | No   |
| Maximum continuous heat output                               | Pmax, c | 0.9   | kW   | electronic heat charge control with room and/or outdoor temperature feedback | No   |
| Auxiliary electricity consumption                            |         |       |      | fan assisted heat output   | No   |
| At nominal heat output                                       | elmax   | 0     | kW   | Type of heat output/room temperature control (select one)                    |      |
| At minimum heat output                                       | elmin   | 0     | kW   | single stage heat output and no room temperature control                     | No   |
| In standby mode  | elSB    | 0.001 | kW   | two or more manual stages, no room temperature control                       | No   |
|  |         |       |      | with mechanic thermostat room temperature control                            | Yes  |
|  |         |       |      | with electronic thermostat room temperature control                          | No   |
|  |         |       |      | electronic room temperature control plus day timer                           | No   |
|  |         |       |      | electronic room temperature control plus week timer                          | Yes  |
|  |         |       |      | Other control options (multiple selections possible)                         |      |
|  |         |       |      | room temperature control, with presence detection                            | No   |
|  |         |       |      | room temperature control, with open window detection                         | Yes  |
|  |         |       |      | with distance control option   | No   |
|  |         |       |      | with adaptive start control  | No   |
|  |         |       |      | with working time limitation   | No   |
|  |         |       |      | with black bulb sensor   | No   |
| Contact details: Hyco Manufacturing Ltd, Castleford WF10 5NR |         |       |      | <a href="http://www.hyco.co.uk">www.hyco.co.uk</a>                           |      |

| Model identifier(s): AVG1500T                                |         |       |      |  |      |
|--|---------|-------|------|--|------|
| Item   | Symbol  | Value | Unit | Item   | Unit |
| Heat output  |         |       |      | Type of heat input, for electric storage local space heaters (select one)    |      |
| Nominal heat output  | Pnom    | 1.5   | kW   | manual heat charge control with integrated thermostat                        | No   |
| Minimal heat output (indicative)                             | Pmin    | 1.5   | kW   | manual heat charge control with room and/or outdoor temperature feedback     | No   |
| Maximum continuous heat output                               | Pmax, c | 1.5   | kW   | electronic heat charge control with room and/or outdoor temperature feedback | No   |
| Auxiliary electricity consumption                            |         |       |      | fan assisted heat output   | No   |
| At nominal heat output                                       | elmax   | 0     | kW   | Type of heat output/room temperature control (select one)                    |      |
| At minimum heat output                                       | elmin   | 0     | kW   | single stage heat output and no room temperature control                     | No   |
| In standby mode  | eISB    | 0.001 | kW   | two or more manual stages, no room temperature control                       | No   |
|  |         |       |      | with mechanic thermostat room temperature control                            | Yes  |
|  |         |       |      | with electronic thermostat room temperature control                          | No   |
|  |         |       |      | electronic room temperature control plus day timer                           | No   |
|  |         |       |      | electronic room temperature control plus week timer                          | Yes  |
|  |         |       |      | Other control options (multiple selections possible)                         |      |
|  |         |       |      | room temperature control, with presence detection                            | No   |
|  |         |       |      | room temperature control, with open window detection                         | Yes  |
|  |         |       |      | with distance control option   | No   |
|  |         |       |      | with adaptive start control  | No   |
|  |         |       |      | with working time limitation   | No   |
|  |         |       |      | with black bulb sensor   | No   |
| Contact details: Hyco Manufacturing Ltd, Castleford WF10 5NR |         |       |      | <a href="http://www.hyco.co.uk">www.hyco.co.uk</a>                           |      |

| Model identifier(s): AVG1800T                                |         |       |      |  |      |
|--|---------|-------|------|--|------|
| Item   | Symbol  | Value | Unit | Item   | Unit |
| Heat output  |         |       |      | Type of heat input, for electric storage local space heaters (select one)    |      |
| Nominal heat output  | Pnom    | 1.8   | kW   | manual heat charge control with integrated thermostat                        | No   |
| Minimal heat output (indicative)                             | Pmin    | 1.8   | kW   | manual heat charge control with room and/or outdoor temperature feedback     | No   |
| Maximum continuous heat output                               | Pmax, c | 1.8   | kW   | electronic heat charge control with room and/or outdoor temperature feedback | No   |
| Auxiliary electricity consumption                            |         |       |      | fan assisted heat output   | No   |
| At nominal heat output                                       | elmax   | 0     | kW   | Type of heat output/room temperature control (select one)                    |      |
| At minimum heat output                                       | elmin   | 0     | kW   | single stage heat output and no room temperature control                     | No   |
| In standby mode  | elSB    | 0.001 | kW   | two or more manual stages, no room temperature control                       | No   |
|  |         |       |      | with mechanic thermostat room temperature control                            | Yes  |
|  |         |       |      | with electronic thermostat room temperature control                          | No   |
|  |         |       |      | electronic room temperature control plus day timer                           | No   |
|  |         |       |      | electronic room temperature control plus week timer                          | Yes  |
|  |         |       |      | Other control options (multiple selections possible)                         |      |
|  |         |       |      | room temperature control, with presence detection                            | No   |
|  |         |       |      | room temperature control, with open window detection                         | Yes  |
|  |         |       |      | with distance control option   | No   |
|  |         |       |      | with adaptive start control  | No   |
|  |         |       |      | with working time limitation   | No   |
|  |         |       |      | with black bulb sensor   | No   |
| Contact details: Hyco Manufacturing Ltd, Castleford WF10 5NR |         |       |      | <a href="http://www.hyco.co.uk">www.hyco.co.uk</a>                           |      |



INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2012/19/EU.

At the end of its working life this equipment must not be disposed of as household waste. It must be taken to a local authority waste collection centre or to a dealer providing this service. Disposing of electrical and electronic equipment separately enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed out dustbin.

## 6. Guarantee and service policy

This product is guaranteed against faulty materials and manufacture for a period of one year from the date of purchase. Hyco will in its sole discretion replace, repair or refund any faulty unit. Incorrect installation and failure to follow correct operating instructions are excluded. Consequential costs such as labour charges or damage to surroundings are expressly excluded.

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