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Waste Electrical and Electronic Equipment Directive

We confirm that all our responsibilities under the Waste Electrical and Electronic Equipment Directive will be fulfilled in accordance with the law. As required within its provisions we are members of an accredited WEEE recycling scheme for all product categories within the scope of the directive.

WEEE product registration number: GE0057TS



The BEAB Approved Mark is the electrical safety mark of the UK's leading independent approvals specialists. It confirms to all in the supply chain that all products displaying the mark have been evaluated to the highest European and International safety standards.



All Creda Heating products are CE marked to certify that the product fulfils the requirements of all relevant European product directives.



**Mixed Sources**  
Product group from well-managed forests, controlled sources and recycled wood or fibre  
[www.fsc.org](http://www.fsc.org) Cert no. TT-COC-002834  
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All Creda NOBO products, unless otherwise stated, are covered by a full parts and labour guarantee for 1 year from the date of purchase, so should the product become faulty within the guarantee period, it will be replaced with a new product or repaired by our service engineers, totally free of charge.

We reserve the right to alter product specification or appearance without prior notice. All finishes in the brochure are as accurate as printing processes allow.

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Heating Solutions

[www.credaheating.co.uk](http://www.credaheating.co.uk)



## Index

## Introduction

A low carbon future  
Design application support

**Sizing guide** Storage and panel heaters  
Cable and connection points

3  
4-5  
6  
7

## NOBO advanced control panel heaters

## Introduction to NOBO

**E4EU** Electronic panel heaters

**C4N** Electronic panel heaters

**LST** Electronic Low Surface Temperature panel heaters

## Multi zone control options

## Control options

8  
9  
10  
11  
12  
13

## Advanced control heating systems

**Eco-Response** Intelligent heating technology / Storage radiant heaters

**Contour100** Electronic panel heaters

**TPRIII E** Electronic pilot plus panel heaters

**Newera Electronic** Electronic panel heaters

## Control options

14-15  
16  
18  
19  
20-21

## Mechanical panel heaters and electric storage heating

**TPRIII M/MT** Mechanical thermostatic panel heaters

**TPRIII NC** No controls panel heaters

**Newera Plus** Panel heaters

**TSR Sensor Plus & Slimline** Electric storage heaters

**TSR Supaslim Combi** Combined storage heaters

**SFHA Sensair Automatic** Electric storage fan heaters

## Storage heater accessories

22  
23  
24  
25  
26  
27  
28

## Towel rails &amp; bathroom warmers

**Outline** Thermostatic integral control towel rails

**Proline PL** Fast response electric ladder towel rails

**TD and Solarail** Traditional style electric towel rails

## Control options

29  
30  
31  
32

## Fan heaters, undertile mats and miscellaneous

**CDF** Compact downflow fan heaters

**SolPlinth** Electric plinth heaters for base units

**SolTile** Undertile electric heating

**SolTube/SunTube** Tubular heaters

33  
34  
35  
36

## Commercial space heating

**TSF Turbo** Commercial storage fan heaters

**SolHeat** Outdoor patio heaters

**SolQuartz/SunQuartz** Shortwave infra-red radiant heaters

**SolWave/CR** Long wave infra-red heaters

**SolSlim/SunSlim** Commercial radiant heaters

**SolFan** High level fan heater

**SunFan** Wall mounted fan heater

**SolScreen** Warm air curtains

37  
38  
39  
40  
41  
42  
43  
44

## Website

45

## Creda Heating

For over 40 years Creda Heating has been dedicated to heating the nation. And in the future, low carbon electricity will make electric heating the first choice for a lower carbon footprint and low lifetime cost of ownership.

Our heating technology has been developed with today's lifestyles in mind, so attention to style as well as efficiency and economy are paramount. As pioneers in electric heating, we continue to lead the field with innovative and contemporary product design, backed by nationwide after-sales support and a dedicated sales team.

Low carbon electricity provides low carbon heating from electric panel and storage heaters. Creda Heating is at the forefront of these developments with the latest technology, advanced energy-saving controls and contemporary styling to suit the homes of today.

As electricity generation gets ever greener, the world is turning to electric heating. Low carbon electricity, generated here in the UK and not imported from around the world, also gives us security of energy supplies and contributes to reducing the devastating impact of climate change. Our heating products are designed to comply with Part L of the Building Regulations which focuses on reducing carbon emissions and the conservation of fuel and power and our advanced heating control options assist in achieving the best possible SAP ratings (please see pages 6 and 7 for more details).

Electric heating products cost less to buy than a gas boiler system and are quick and easy to install or upgrade. They offer total flexibility in the building design, with no complicated pipe runs, which can also leave gaps in the building fabric – a problem when air-tightness is a key factor in improving the carbon footprint of a building for Part L compliance.

At Creda Heating we also never forget that safety is also a major concern. Once installed, electric heating requires virtually no maintenance and unlike gas, there is no legal requirement for an annual landlord safety certificate.

And now Creda Heating also incorporates the NOBO heating range of panel heaters and controllers to give you even further choice (see pages 8-13 for full details).

Year in year out, electric heating provides instant, responsive and safe heating on demand. So whatever your requirements are – from new built to refurbishment, single room or whole development, domestic or commercial – we are here to help you develop the most effective, economical and environmentally friendly heating solution.



TPRIII Electronic pilot plus panel heaters with plug-in timer options or 4 zone central control.



Proline II Ladder style electric towel rails.



Eco-Response storage radiant heaters offer advanced heating technology with rapid response, touch temperature control.



# Sizing guide

## Storage and panel heaters

To use these tables, select the type of heater and the appropriate sizing guide table. Then read across from the nearest floor area and appropriate external wall length to where the columns intersect.

There are two temperature options given in each table:

- Comfort – approximately 21°C for living areas
- Background – approximately 18°C, typically required in bedrooms

Choose either comfort or background heating for the suggested heater size.

These tables are based on conventionally constructed single or two storey dwellings within:

- Ceiling heights of 2.5m (8ft)
- Roof insulation of 25mm (1in) thick
- Brick cavity walls with no insulation
- An external temperature of -1°C

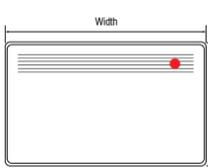
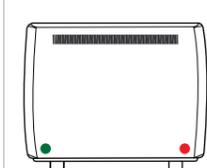
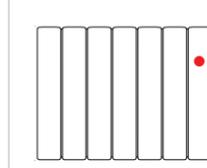
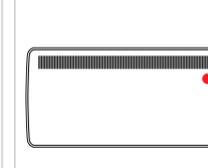
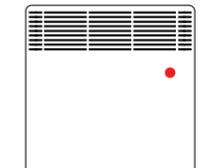
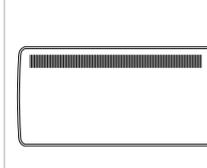
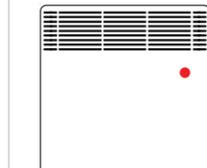
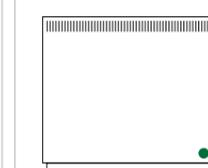
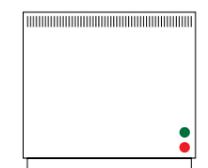
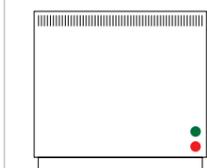
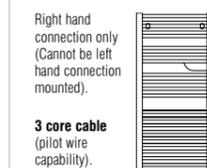
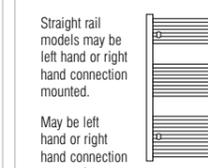
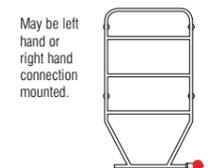
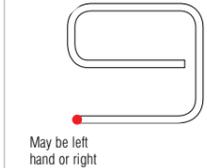
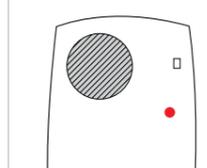
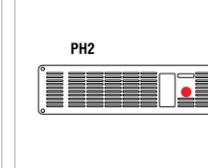
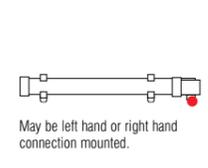
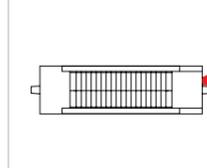
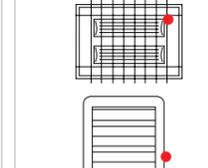
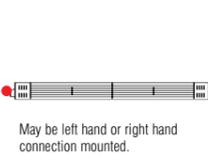
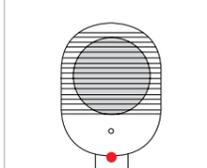
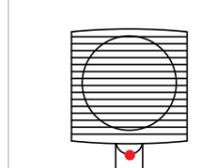
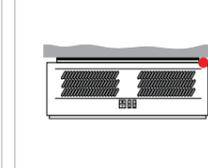
### Technical Specification

Tables for storage and storage fan heaters also assume the use of 7 hour economy tariff electricity. Please check your tariff and metering requirements with your electricity supplier.

Product Selector		Extra Small (XS) = TSR6 = 0.9kW Small (S) = TSR12 = 1.7kW Medium (M) = TSR18 = 2.5kW Large (L) = TSR24 = 3.4kW																			
Model	Area m <sup>2</sup> Options	1.5m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
<b>Storage heaters</b>																					
Up to 3m <sup>2</sup>	Comfort	S/XS	S	S	M	M	M														
Up to 6m <sup>2</sup>	Background	S/XS	S	S	S	S	M														
Up to 9m <sup>2</sup>	Comfort	S	M	M	L	L	L	L	L												
Up to 12m <sup>2</sup>	Background	S	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Up to 15m <sup>2</sup>	Comfort	L	L	L	MS	MS	2M														
Up to 18m <sup>2</sup>	Background	M	M	M	M	M	L	L	L	MS											
Up to 21m <sup>2</sup>	Comfort	L	L	MS	MS	2M															
Up to 24m <sup>2</sup>	Background	M	M	L	L	MS															
Up to 27m <sup>2</sup>	Comfort	MS	MS	2M																	
Up to 30m <sup>2</sup>	Background	L	L	MS																	
<b>Storage fan heaters</b>																					
Up to 3m <sup>2</sup>	Comfort	18	18	18	18	18	18														
Up to 6m <sup>2</sup>	Background	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Up to 9m <sup>2</sup>	Comfort	18	18	18	24	24	24	24	24	18+S											
Up to 12m <sup>2</sup>	Background	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Up to 15m <sup>2</sup>	Comfort	18	18	18	24	24	24	24	24	18+S											
Up to 18m <sup>2</sup>	Background	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Up to 21m <sup>2</sup>	Comfort	18	18	18	24	24	24	24	24	18+S											
Up to 24m <sup>2</sup>	Background	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Up to 27m <sup>2</sup>	Comfort	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S	18+S
Up to 30m <sup>2</sup>	Background	18	18	18	24	24	24	24	24	18+S											
<b>Panel heaters</b>																					
Up to 3m <sup>2</sup>	Comfort	600	600	1000	1000	1250	1250														
Up to 6m <sup>2</sup>	Background	600	600	600	1000	1000	1000	1500	2000												
Up to 9m <sup>2</sup>	Comfort	1000	1000	1250	1250	1500	1500	2000	2000	2000	2250	2500	2500	2500							
Up to 12m <sup>2</sup>	Background	1000	1000	1000	1000	1250	1250	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Up to 15m <sup>2</sup>	Comfort	1250	1250	1250	1500	1500	1500	2000	2000	2000	2250	2500	2500	2500							
Up to 18m <sup>2</sup>	Background	1250	1250	1250	1500	1500	1500	2000	2000	2000	2250	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
Up to 21m <sup>2</sup>	Comfort	1500	1500	2000	2000	2250	2250	2500	2500	2500	2750	3000	3000	3250	3500	3500	3500	3500	3500	3500	3500
Up to 24m <sup>2</sup>	Background	1500	1500	1500	1500	1500	1500	2000	2000	2000	2250	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
Up to 27m <sup>2</sup>	Comfort	2000	2000	2000	2250	2250	2500	2500	2500	2500	2750	3000	3000	3250	3500	3500	3500	3500	3500	3500	3500
Up to 30m <sup>2</sup>	Background	2000	2000	2000	2000	2000	2000	2250	2250	2250	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500

# Cable and connection points

- Off peak cable
- Direct acting cable

<p><b>NOBO Range - C4N, LST, E4EU</b> Electronic panel heater</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>4 core cable (pilot wire capability).</p>	<p><b>Eco-Response</b> Intelligent heating technology</p>  <p>24hr WIRE CONNECTION OP OFF PEAK CONNECTION CF CABLE FITTED</p> <p>4 core cable (pilot wire capability).</p>	<p><b>Contour100</b> Electronic panel heaters</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>4 core cable (pilot wire capability).</p>	<p><b>TPRIII E</b> Electronic pilot plus panels</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>4 core cable (pilot wire capability).</p>
<p><b>Newera Electronic</b> Panel heaters</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>3 core cable (pilot wire capability).</p>	<p><b>TPRIII M / NC Mechanical</b> thermostatic panel heaters</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>3 core cable (pilot wire capability).</p>	<p><b>Newera Plus</b> Panel heaters</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>3 core cable (pilot wire capability).</p>	<p><b>TSR Slimline and Sensor Plus</b> Electric storage heaters</p>  <p>OP OFF PEAK CONNECTION NC NO CABLE FITTED</p>
<p><b>TSR Supaslim Combi</b> Storage heaters</p>  <p>24hr WIRE CONNECTION OP OFF PEAK CONNECTION NC NO CABLE FITTED</p>	<p><b>SFHA Sensair Automatic</b> Electric storage fan heaters</p>  <p>24hr WIRE CONNECTION OP OFF PEAK CONNECTION NC NO CABLE FITTED</p>	<p><b>Outline</b> Thermostatic towel rails</p>  <p>Right hand connection only (Cannot be left hand connection mounted).</p> <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>3 core cable (pilot wire capability).</p>	<p><b>Proline II PL</b> Fast response electric ladder towel rails</p>  <p>Straight rail models may be left hand or right hand connection mounted.</p> <p>24hr WIRE CONNECTION CF CABLE FITTED</p> <p>May be left hand or right hand connection mounted.</p>
<p><b>TD Traditional style</b> electric towel rails</p>  <p>May be left hand or right hand connection mounted.</p> <p>24hr WIRE CONNECTION CF CABLE FITTED</p>	<p><b>Solarrail</b> Electric towel rails</p>  <p>May be left hand or right hand connection mounted.</p> <p>24hr WIRE CONNECTION CF CABLE FITTED</p>	<p><b>Compact Downflow</b> Fan heater</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p>	<p><b>Plinth</b> Electric base unit fan heaters</p>  <p>PH2</p> <p>24hr WIRE CONNECTION CF CABLE FITTED</p>
<p><b>SolTube &amp; SunTube</b> Tubular heaters</p>  <p>May be left hand or right hand connection mounted.</p> <p>24hr WIRE CONNECTION CF CABLE FITTED</p>	<p><b>TSF Turbo</b> Commercial storage fan heaters</p>  <p>24hr WIRE CONNECTION OP OFF PEAK CONNECTION NC NO CABLE FITTED</p>	<p><b>SolHeat</b> Outdoor patio heater</p>  <p>24hr WIRE CONNECTION CF CABLE FITTED</p>	<p><b>SolWave &amp; CR Radiant heaters</b> SolQuartz Heaters</p>  <p>24hr WIRE CONNECTION</p>
<p><b>SolSlim Radiant heaters</b> SunSlim heaters</p>  <p>May be left hand or right hand connection mounted.</p> <p>24hr WIRE CONNECTION NC NO CABLE FITTED</p>	<p><b>SolFan</b> High level fan heater</p>  <p>24hr WIRE CONNECTION NC NO CABLE FITTED</p>	<p><b>SunFan</b> Wall mounted fan heater</p>  <p>24hr WIRE CONNECTION NC NO CABLE FITTED</p>	<p><b>SolScreen</b> Warm air curtains</p>  <p>24hr WIRE CONNECTION NC NO CABLE FITTED</p>

# The NOBO range

NOBO Heating, recognised for its Norwegian manufactured electric panel heaters and energy control systems, has now been integrated within Creda Heating.

For over 30 years NOBO products have built a reputation amongst professional specifiers, architects, designers and property developers who need a comprehensive solution to their electric heating needs. From a single, reliable panel to a multi-zone programmable network of heaters, NOBO can bring warmth and comfort to any environment.

NOBO heating products have been specified worldwide across a diverse range of applications and temperature conditions.

There are three NOBO ranges:

- E4EU – Slim, flat fronted panel heater with top air outlet and built in 7-day timer.
- C4N – Slimline panel heater with front air outlet and a range of control modules.
- LST – Low Surface Temperature panel heater with a range of control modules.

## E4EU Range

A slim 500W – 2kW panel heater with built-in, fully programmable digital 7-day timer. These are 'all-in-one', stand alone units and will not operate as part of a central control system or with any of the other NOBO control modules that are available. Panel heaters in the range have 5°C – 30°C temperature scale and are ideal for homes, offices and commercial applications.

## C4N Range

A versatile, slimline 500W – 2kW panel heater supplied without controls. C4N heaters will not operate unless a control module is purchased separately and installed with the heater. These heaters are ideal for homes, offices, commercial applications, hotels and student accommodation.

## LST Range

A 500W, 800W or 1kW panel heater which complies with the NHS guidelines on safe surface temperatures. This heater is larger than other NOBO panel heaters so that no part of the heater will exceed 43°C during operation, even at full output. This means that prolonged contact with the heater will not result in physical harm, making the heaters safe for use in areas with children, the elderly and infirm. LST heaters will not operate unless a control module is purchased separately and installed with the heater. These heaters are ideal for sheltered accommodation, retirement homes, healthcare, public waiting areas, hospitals, nurseries and schools.

## Specification

To find out which system best suits your requirements, simply choose your application from the left-hand column of the table below, then decide how you would like to control the system by moving across the four control columns. Please note that the NOBO range is extensive, and this is only a guide to the most common applications.

Application	Control			
	Onboard Timer	Central Control	Remote Control	
		Radio Frequency	Pilot Wire	Non-Pilot Wire
Domestic	E4EU	C4N with EC700 & RDC700 and Towel rail - RS700 Water heater - RSX700	C4N with ZSE	C4N with H27Z & GE or H37Z & GE
	C4N with GERT10			
Commercial	E4EU	C4N with EC700 and RDC700	C4N with ZSE or GCO	C4N with H27Z & GE or H37Z & GE
	C4N with GERT10			
Hotel	Ask for details	Ask for details	C4N with GCH	Ask for details
Education and Healthcare	LST with LST-T9	LST with EC700 & RDC 700 LST and Towel rail - RS700 Water heater - RSX700	LST with GCH or GCO	LST with GCH or GCO
Student Accommodation	C4N with HSF or HSE	Ask for details	Ask for details	Ask for details

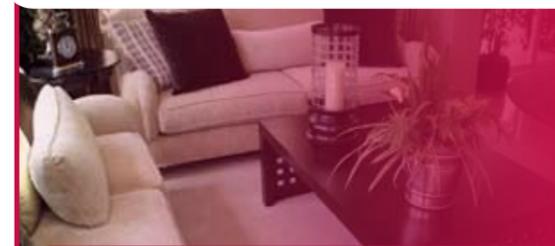
To confirm that your specification is correct, or for further information, please contact your Creda NOBO Heating Regional Manager.

## Useful Tips

- No power cable is supplied with the C4N & LST heaters, it comes in the packet with the control module.
- Tamperproof covers are available for all models.

## E4EU

Electric panel heaters with integral timer



Simple, understated, practical, economical. Admired for their unfaltering reliability, unprecedented heating options and cost effectiveness, this robust and stylish range of products is used extensively across both domestic and commercial applications.



## Key features

- Fully programmable 24 hour and 7 day digital timer with Auto On, Auto Off and Manual modes
- Power failure memory backup of 150 hours using internal Ni-cad rechargeable battery
- Easy cleaning hinged wall brackets
- Extremely shallow depth
- Minimal maintenance
- Available in 500, 750, 1000, 1250, 1500 and 2000 watt outputs
- Variable temperature control from 5°C to 30°C
- Over heat safety cut-out
- Top air outlets
- Rounded corners

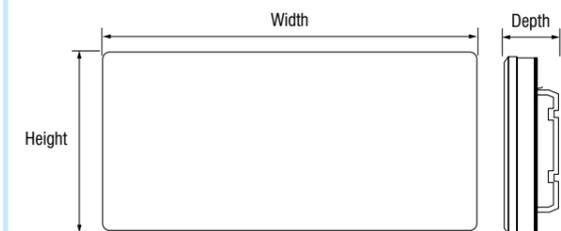
## Control options

- E4EU thermostatic controller supplied as standard



## Technical Specification

- Thermostat – See 'Control options'
- Finish – Pure White to RAL 9010
- Protection – Locking covers for controls are available
- IP rating – Splash proof to IP24
- Supply – 230/240V AC single phase



Accessories:

- Tamperproof thermostat cover

## Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth from wall (mm)	Weight (kg)
E4EU0500	0.5	400	475	71	3.4
E4EU0750	0.75	400	625	71	4.3
E4EU1000	1	400	775	71	5.2
E4EU1250	1.25	400	975	71	6.4
E4EU1500	1.5	400	1125	71	7.5
E4EU2000	2	400	1525	71	9.9

## C4N

Electronic panel heaters



The C4N is a classic, slimline heater available in outputs ranging from 500W to 2kW. This is a heater for all applications, and with an unobtrusive design and quality finish it provides a clean and elegant heating solution for the home, office, hotel or commercial space.

### Key features

- Extensive range of outputs
- Low capital costs
- Virtually silent electronic thermostats
- Extremely shallow depth
- Minimal maintenance
- Tamperproof capability
- Complete range of custom designed thermostat control modules

### Control options

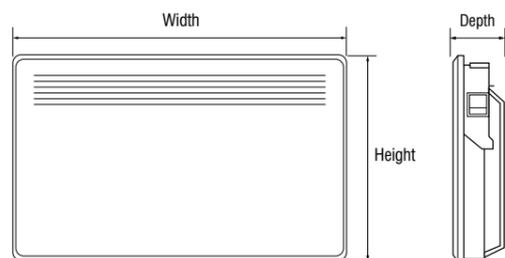
- RDC 700 (compatible with the Orion 700 RF control unit)
- GER T10 (dual electronic thermostat and timer)
- GE (single electronic thermostat)
- GCL (dual electronic thermostat and runback timer, PIR or key card timers)
- GCO (dual electronic thermostat and pilot wire for central timer, PIR or key card timers)
- GCH (dual electronic thermostat and pilot wire for central timer, PIR or key card timers)
- ZSE (dual electronic thermostat with fixed economy setting and pilot wire)

(Please see pages 12 and 13 for more details)



### Technical Specification

- Thermostat – See 'Control options'
- Finish – Pure White to RAL 9010
- Protection – Locking covers for controls are available
- IP rating – Splash proof to IP24
- Supply – 230/240V AC single phase



#### Accessories:

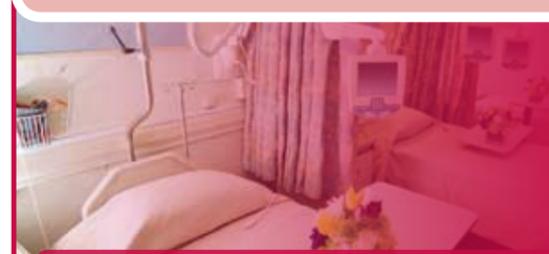
- Tamperproof switch cover ASB PL
- Tamperproof thermostat cover AOB PL

### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm from wall)	Weight (kg)
C4N0500	0.5	400	425	78	3.1
C4N0750	0.75	400	525	78	3.7
C4N1000	1	400	675	78	4.6
C4N1250	1.25	400	825	78	5.6
C4N1500	1.5	400	975	78	7.0
C4N2000	2	400	1325	78	8.7

## LST

Low surface temperature panel heaters



The LST meets the NHS Estates Health Guidance Notes on 'Safe Hot Water and Surface Temperature', as the surface temperature does not exceed 43°C at full output.

### Key features

- Range of outputs
- Maximum surface temperature of 43°C
- Safe air leaving temperature
- Minimal maintenance
- Tamperproof capability
- Wide range of control options
- Stylish design

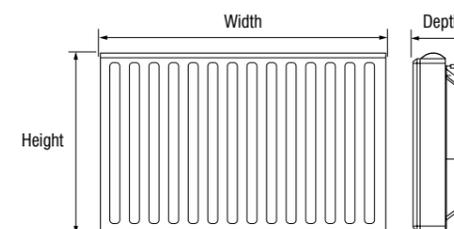
### Control Options

- RDC 700 LST (compatible with the Orion 700 RF control unit)
- LST T9 (dual electronic thermostat with timer)
- GCH (dual electronic thermostat and pilot wire for central timer, PIR or key card timers)
- GCO (dual electronic thermostat and pilot wire for central timer, PIR or key card timers)

(Please see pages 12 and 13 for more details)

### Technical Specification

- Thermostat – See 'Control options'
- Finish – Pure White to RAL 9010
- Protection – Locking covers for controls are available
- IP rating – Splash proof to IP24
- Supply – 230/240V AC single phase



This stylish convector heater incorporates a safety cut-out, virtually silent electronic thermostat and creates no hot-spots, which can be a major weakness of other brands. The thermostat controls can also be fitted with locking covers making them tamperproof. All of these features ensure safe operation within certain sectors of the community, such as:

- Nursing homes
- Nurseries
- Hotels
- Public buildings
- Hospitals
- Doctors' surgeries
- Schools
- Residential homes
- Public waiting areas

The heater utilises the proven electronic plug-in proportional thermostats with temperature scales designed to achieve optimum warmth and comfort with maximum safety. Typically, the range will be 14°C – 24°C and where control management is required the NOBO Orion 700 wireless RF controller or the pilot wire controlled GCH and GCO modules can be used for the management of economy and safety levels.



### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth from wall (mm)	Weight (kg)
LST5N05	0.5	515	775	145	6.3
LST5N08	0.8	515	1275	145	9.25
LST5N010	1	515	1575	145	11.25

## Multi zone control

Wireless and pilot wire programmers



Total control of your heating system, when and where you need it. Amidst growing interest in energy conservation, the NOBO multi zone controls provide the ability to reduce energy use and achieve optimal comfort.



### Orion 700 (EC 700) Wireless RF programmer

The Orion 700 is stylish, easy to use and ingenious in its technical capabilities. This unique system can automatically control a wide range of individual zones in living rooms, bedrooms and bathrooms.

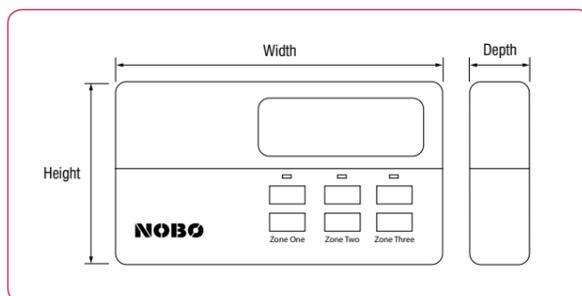
Heating zones are created by giving them a name, a named zone may then be given a programme. Programmes consist of seven individual and separate days, (Monday to Sunday) and each day is divided up into 48 half-hourly periods which may be set on either (on) or (off). Individual or group override facility for holidays and frost protection is also provided.

#### Key features

- Designed to provide 24/7 cost effective zone controlled heating
- Ancillary function control
- Fully compatible with the acclaimed C4N and LST heaters
- Elegant, contemporary design in smooth black finish
- Capable of controlling up to 100 zones
- Automatically relays signals on to other receivers
- Daily or weekly individual control options
- Simple installation
- Full programme retention in the event of a power failure

### 2 and 3 Zone Control Systems

The 2 and 3 zone pilot wire control systems are electronic 7-day heating and hot water programmers that can save energy and create a comfortable environment. Compatible with C4N and LST heaters, this system can be used to control separate heating zones or heating and hot water.



#### Key features

- Designed to provide 24/7 cost effective zone controlled heating
- Fully compatible with the NOBO C4N and LST heaters
- Simple installation
- Holiday advance option
- An 'advance' button allowing instant switch from ON to OFF, or OFF to ON
- A 'boost' facility providing a one or two hour boost of extra heating or hot water when required

#### Product Selector

Model	Enclosure	Voltage (v)	Consumption (ma)	Height (mm)	Width (mm)	Depth (mm)
EC700	IP20	230 – 240	80	180	113	46
RSX700	IPX0	230 – 250	20	70	54	57
RS700	IPX0	230 – 240	20	57	53	28
H27Z	IP30	230 – 240	-	101	163	33
H37Z	IP30	230 – 240	-	101	163	33

### Receivers

#### RDC 700

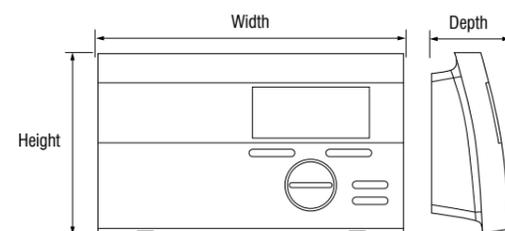
The RDC 700 models have built-in receivers for the C4N panel heaters, which can interpret commands and relay signals back to the control unit.

#### RS 700

For control of small appliances up to 10 amps, typically towel rails.

#### RSX 700

For control of fixed appliances up to 16 amps. DIN rail mounting, typically for hot water.



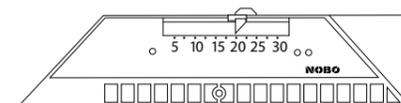
## Control options – C4N and LST Only

The performance and economy of NOBO panel heaters can be further enhanced by the use of control options which are specifically designed for different lifestyle requirements.

### Thermostat modules for C4N

#### ZSE 8833211

5°C – 30°C



#### Application

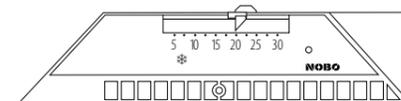
- Apartments
- Standard applications
- Domestic

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Fixed set-back temperature setting

#### GE 8833215

5°C – 30°C



#### Application

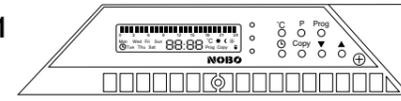
- Standard applications

#### Specification

- Single electronic thermostat
- Proportional temperature regulation

#### GER T10 8833221

5°C – 30°C



#### Application

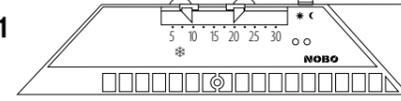
- Standard applications
- Domestic
- Commercial

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Integral programmable timer
- Fixed frost protection setting

#### RDC 700 8833661

5°C – 30°C



#### Application

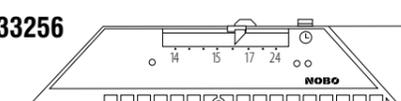
- Central control applications
- Domestic
- Commercial

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Radio frequency control
- Fixed frost protection setting

#### GCL 8833431/8833256

14°C – 24°C



#### Application

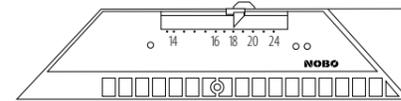
- Student applications
- Occasional occupation

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Integral single shot run-back timer
- Fixed set-back temperature setting

#### GCH 8833227

14°C – 24°C



#### Application

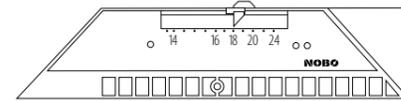
- Hotels
- Nursing homes
- Various applications

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Cable connection for remote control
- Fixed set-back temperature setting

#### GCO 8833233

14°C – 24°C



#### Application

- Hotels
- Nursing homes
- Various applications

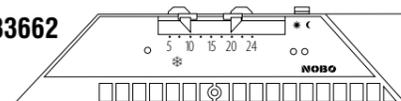
#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Cable connection for remote control
- Fixed set-back temperature setting

### Thermostat modules for LST

#### RDC 700 LST 8833662

5°C – 24°C



#### Application

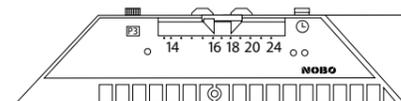
- Hospitals
- Nurseries
- Offices
- Various applications

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Radio frequency control
- Adjustable set-back temperature setting

#### LST-T9 8833224

14°C – 24°C



#### Application

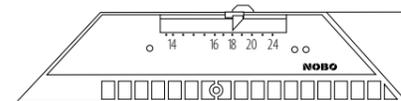
- Public areas
- Domestic applications
- Office disabled facilities
- Various applications

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- Integral timer with 9 pre-set programmes
- Frost protection setting

#### GCH 8833227

14°C – 24°C



#### Application

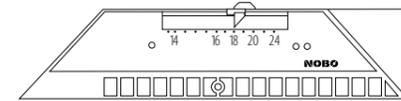
- Nursing homes
- Sitting areas
- Children's play areas
- Various applications

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- LST temperature scale
- Fixed set-back temperature setting

#### GCO 8833233

14°C – 24°C



#### Application

- Doctors surgeries
- Hospitals
- Office disabled facilities
- Various application

#### Specification

- Double electronic thermostat
- Proportional temperature regulation
- LST temperature scale
- Fixed frost protection setting

# Eco-Response

Intelligent heating technology



Warmth where it's needed, when it's needed in a single room or across the home. A constant low level of background heat prevents the fabric of the building from cooling. On demand, this fast-acting appliance raises the temperature to meet your needs, providing total control and low running costs.



## Key features

- Economical use of energy utilising the best of stored and direct acting heating technologies
- Contemporary design – looks good in any home
- Unobtrusive – takes up no more space than a traditional wet radiator
- Simple one-touch electronic controls with child lock facility
- Rapid response to changing temperature demands
- Designed for rapid assembly to keep installation costs down
- Requires no annual maintenance
- Optional central controller for 4 zone pilot wire linked heating system



Stored heat – maintains low level background heat to keep the fabric of the building warm, utilising economy off-peak electricity.

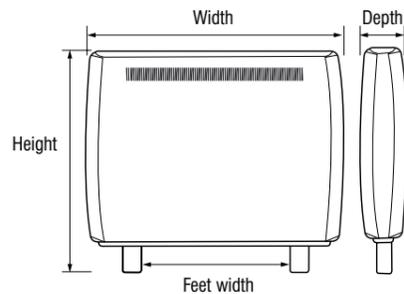
Simple integral control on top of the heater – allows easy adjustment to achieve the user's preferred comfort temperature.

Radiant heat – rapidly raises temperature to required comfort level on demand.



## Technical Specification

- Elements (Storage) – 650W incoloy sheathed, mineral filled elements
- Element (Direct Acting) – cable-on-foil thin facia panel
- Thermostat (Input) – integral electronic charge limiter. Maximum core temperature 670°C/690°C at full charge
- Thermostat (Output) – integral electronic thermostat with child lock facility
- Thermal Insulation – Carbowool 128kg/m<sup>2</sup>, Microtherm G and calcium silicate
- Energy Retention Cells – high density bonded magnetite
- Protection (Storage) – automatic reset core limit thermostat and manual over-temperature cut out
- Protection (Direct Acting) – automatic reset limit thermostat and automatic reset over-temperature cut out
- Finish – white polyester and zinc coated steel with grey base
- Cable (Storage) – 1.6m 2.5mm<sup>2</sup> 3 core
- Cable (Direct Acting) – 1.6m 0.75mm<sup>2</sup> 2 core
- Supply – 230/240V AC single phase



Minimum clearance required

- 75mm either side of heater
- 150mm in front of the heater
- 250mm directly above the heater

## Product Selector

Model	Designed Heat Loss (kW)	Charge Acceptance (kWh)	Input Rating, Off Peak (kW)	Input Rating, Radiant Eit. (kW)	Number of Elements	Number of Bricks	Weight (kg)	Height (mm)	Width (mm)	Depth (mm)	Feet position (mm)
ER300	0.7	9.1	1.3	0.28	2	8	65	712	600	130+10	295
ER400	1	13.65	1.95	0.34	3	12	94	712	830	130+10	523
ER500	1.4	18.2	2.6	0.39	4	16	124	712	1060	130+10	751

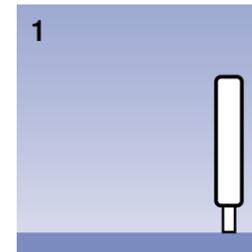
PWE4ZC 4 zone pilot wire central controller

# Eco-Response

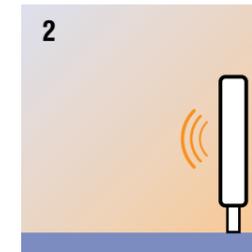
Storage radiant heaters

## Why Eco-Response?

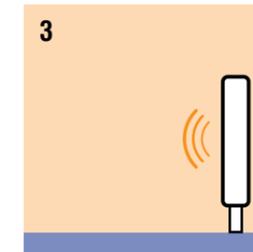
### Conventional heater



With a conventional 'wet' heating system, when heating goes off, building shell cools.

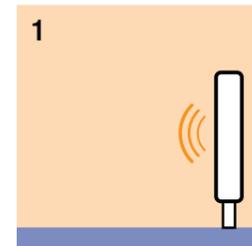


The building shell has to then be warmed again before room feels comfortable.

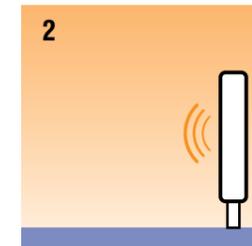


This takes time and energy – slow response.

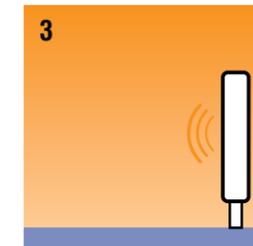
### Eco-Response



It is smarter to maintain low level background heat.



The room temperature can be raised quickly and efficiently when needed.



Economical. Responsive. Intelligent.

## PART L and SAP 2005

The Creda Eco-Response has been developed to help meet the needs of Part L 2006 Building Regulations and provides enhanced SAP scores.

Specifiers will benefit from the 'integrated storage/direct acting heater' category within table 4a of SAP 2005 which rewards the enhanced controllability of Eco-Response with a 100% efficiency rating, placing this leading technology in heating type 2 with a responsiveness weighting of 0.75.



### Control options

4 zone pilot wire central controller  
Allows 7 day programming of comfort/setback time settings of multiple pilot wire linked heaters in up to 4 separate zones. See pages 20-21 for more details.  
Model PW E4ZC



Matching TPRIII E Electronic panel heaters also available for pilot wire linked heating systems (See pages 20-21). Use Eco-Response in living areas and TPRIII's in bedrooms, conservatories etc with a 4-zone control.

# Contour100

Electronic panel heater



The Contour100 panel heater range offers high quality build and panel finish with contemporary radiator styling. Contour100 panel heaters incorporate electronic thermostatic controls which allow very precise regulation of room temperatures.

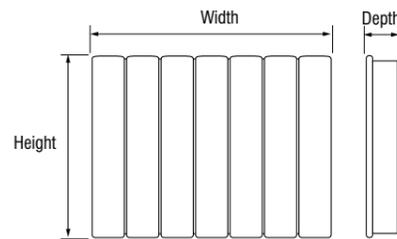
### Key features

- Contemporary radiator styling
- Electronic thermostatic control, accurate to  $\pm 0.3^{\circ}\text{C}$
- Convected heat for rapid warm up
- Virtually silent operation
- Pre-set background temperature at  $5^{\circ}\text{C}$  below thermostat setting (when connected to a programming unit supporting setback feature)
- Hidden thermostat range limiter feature – for additional economy
- Range of optional plug-in electronic timer modules, including:
  - 24 hour digital timer (Model TPR E24T)
  - Single zone 7 day pilot wire programmer (Model TPR E7DT)
  - Runback timer (Model TPR ERBT)
- Compatible with Creda 4 zone pilot wire central controller (Model PWE4ZC)



### Technical Specification

- Elements – finned, mineral-filled sheath type
- Thermostat – electronic with  $5^{\circ}\text{C}$  setback control capability
- Finish – white powder coated steel and thermoplastic
- Protection – auto reset thermal cutout
- Cable – 1.2 metres, 4 core (live, neutral, pilot and earth)
- IP rating – IPX4 (splashproof)
- Supply – 230/240V AC single phase



# Controls

Electronic panel heaters

### Control options

A range of optional plug-in control modules, which can be removed from the heater for easy programming, provide the flexibility to meet a wide range of control specifications:



- TPR E24T 24 hour digital timer. Provides 24 hour programmable on/off control.

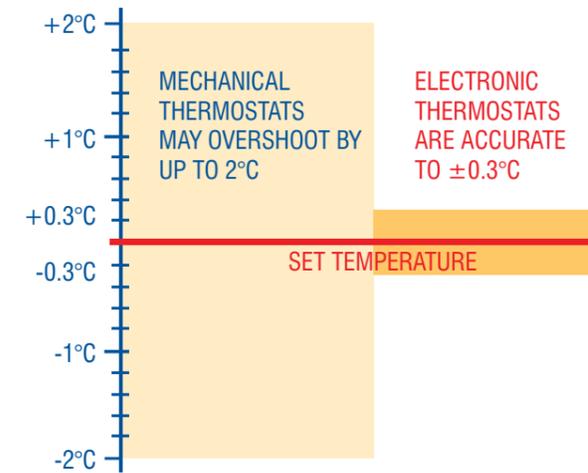


- TPR E7DT single zone, pilot wire programmer controls up to 10 slave heaters. Provides 7 day programmable on/off control.



- TPR ERBT runback timer. Provides installer programmable runback time up to 4 hours (in 30 minute increments). Can be locked into heater.

### Electronic Thermostat



The electronic panel heaters feature highly accurate electronic thermostats ( $\pm 0.3^{\circ}\text{C}$ ), providing superior comfort and operating efficiency.

As the room temperature nears the desired set point, power to the elements is reduced. The room temperature is closely monitored to an accuracy of less than  $0.3^{\circ}\text{C}$ , minimising overshoot and temperature drift, resulting in better energy efficiency and user comfort.

### Control Options

4 zone pilot wire central controller  
Allows 7 day programming of comfort/setback time settings of multiple pilot wire linked heaters in up to 4 separate zones. See page 20 for more details.

Model PW E4ZC



### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
CEP500E	0.5	536	503	104	12
CEP750E	0.75	536	503	104	12
CEP1000E	1	536	671	104	15
CEP1500E	1.5	536	741	104	17.5
CEP2000E	2	536	911	104	22

### Product Selector

Model	Product Description	Height (mm)	Width (mm)	Depth (mm)
TPRE24T	24 hour plug-in timer module	50	70	145
TPRE7DT	7 day single zone plug-in timer module	50	70	145
TPRE7BT	4 hour run back timer plug-in module	50	70	145
PWE16A	16 amp pilot wire interface unit	86	86	22
PWE4ZC	4 zone pilot wire central controller	132	86	38

## TPRIII E

Electronic Pilot Plus panel heaters



TPRIII Electronic Pilot Plus panel heaters incorporate electronic thermostatic controls to allow precise regulation of room temperatures – essential when comfort, economy and energy efficiency need to be considered in equal measure.

### Key features

- Front facing grille for efficient heat projection
- Styling to complement Eco-Response radiators with pure white finish
- Electronic thermostatic control  $\pm 0.3^{\circ}\text{C}$ , completely silent operation
- Pre-set background temperature at  $5^{\circ}\text{C}$  below thermostat setting (when connected to a programming unit supporting setback feature)
- Optional plug-in electronic timer modules, including:
  - 24 hour digital timer (Model TPR E24T)
  - Single-zone pilot wire programmer (Model TPR E7DT)
  - Runback timer (Model TPR ERBT)
- Compatible with Creda 4 zone, wall mounted pilot wire signalling multi-heater programmers
- Hidden thermostat range limiter feature – for additional economy
- Simple detachable wall bracket for easy installation



### TPRIII E Electronic rotary thermostat

Improved economy may be achieved by limiting the thermostat rotational range, by means of the mechanical 'peg and hole' feature hidden beneath a removable cap on the thermostat knob.



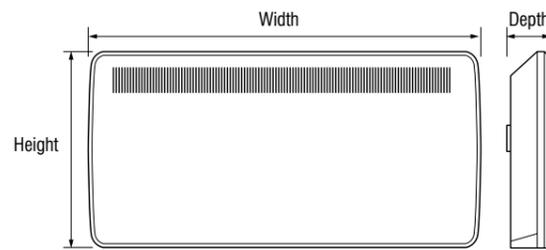
For more control options, please see page 17.

### Product Selector

Model	Loading (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TPRIII500E	0.5	430	450	108	5.2
TPRIII750E	0.75	430	620	108	6.6
TPRIII1000E	1	430	620	108	6.6
TPRIII1250E	1.25	430	690	108	7.1
TPRIII1500E	1.5	430	690	108	7.1
TPRIII2000E	2	430	860	108	8.5

### Technical Specification

- Element – finned, mineral-filled sheathed type
- Thermostat – electronic with fixed  $5^{\circ}\text{C}$  setback facility
- Finish – white powder coated steel and thermoplastic
- Protection – auto reset thermal cut-out
- IP rating – IPX4 (splashproof)
- Cable – 1.2 metres, 4 core cable (live, neutral, pilot and earth)
- Supply – 230/240V AC single phase



## Newera Electronic

Electronic panel heaters



The Newera Electronic range provides style, flexibility and ease of use in any building. Built-in twin electronic thermostats allow control of comfort and setback temperatures. Heaters can be used individually or linked for a complete heating system.

### Key features

- Twin electronic thermostats for comfort and setback
- Compact, attractive design occupying minimum wall space
- Mains borne and pilot wire control options
- Hinged wall mounting bracket to allow easy access for cleaning and decorating



Integral twin electronic thermostats for setting comfort and setback temperatures.

### Control options

Newera Style and Newera Electronic panel heaters may be connected as a centrally controlled system using the optional mains borne accessories.

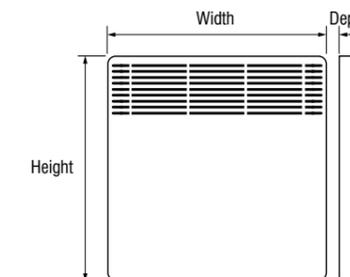


The MB programmer communicates with the heaters and controls a comfort or setback thermostat as per the times set in the programmer.

MB Programmer Model MBPRG  
MB Interface Model MBIF

### Technical Specification

- Elements – finned, metal sheathed mineral filled type
- Thermostats – twin electronic
- Protection – two level thermal safety overheat
- Supply – 230/240V AC single phase
- IP Rating – IPX4 (splashproof)



Allows 7 day programming of comfort/setback time settings of multiple pilot wire linked heaters in up to 4 separate zones.

4 zone pilot wire central controller  
Model PW E4ZC

### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)
EPH500	0.5	450	370	78
EPH1000	1	450	445	78
EPH1250	1.25	450	520	78
EPH1500	1.5	450	590	78
EPH2000	2	450	740	78
PWE4ZC	4 zone pilot wire central controller			
MBPRG	Newera MB Programmer			
MBIF	Newera MB Interface			

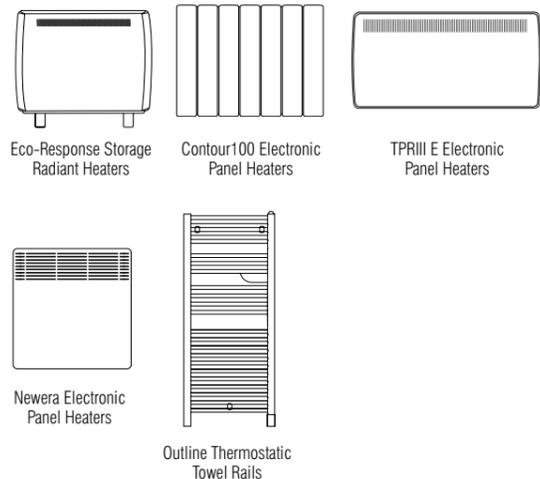
# Control options

The performance and economy of Creda heating products can be further enhanced by the use of control options best suited to the type of installation and lifestyle requirements.

## Wall mounted controller for 4 zone pilot wire linked heating system



Pilot Wire Controller Model PW E4ZC



**Note:** Pilot wire installations are appropriate for single phase connection only.

**Pilot wire signalling** – ideal control system option for new build applications

**4 zone wall mounted central controller** – mains powered with 4hr backup

**Number of heaters** – up to 20 in the same zone

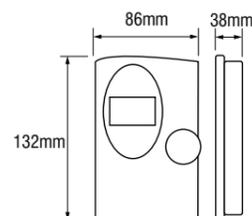
**Controller features:**

**TIME** – individual 7 day programming of multiple time periods **MODES** – on/off, comfort/setback or comfort/frost. Also with manual override selection and holiday functions

**Panel Heater features** – integral electronic thermostat for comfort temperature selection with a fixed 5°C setback from comfort, and frost protection at 5°C

**Online towel rails feature** – integral thermostat for comfort temperatures, fixed 3-4°C setback from comfort and frost at 7°C. Also has manual override, 2hr boost and thermostat range restriction options

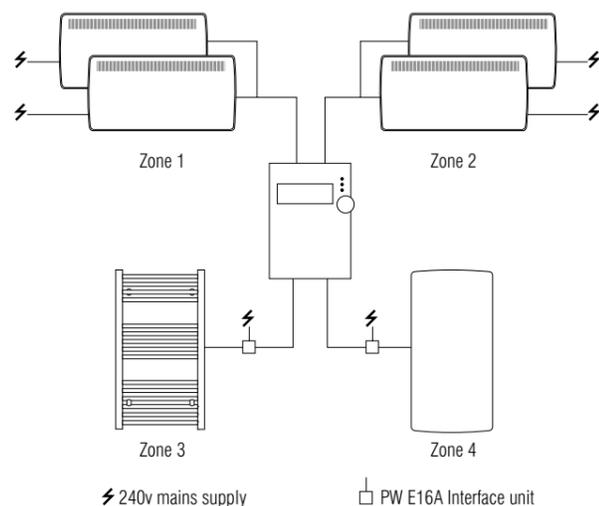
### Dimensions



### Pilot wire heating system

The PW E4ZC central controller allows 7 day programming for comfort and setback temperature periods of multiple pilot wire linked heaters in up to four separate zones.

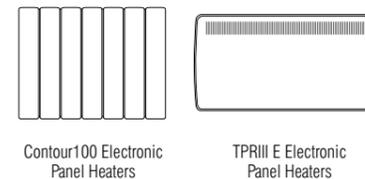
- 4 separate heating zones
- Heater modes – Comfort/Setback, Comfort/Frost or Comfort/Off
- Wall mounted mains powered controller with capacitor back up (approx. 4hrs)



## Plug-in 7 day heater module for single zone pilot wire linked system



7 Day Timer Pilot Wire Model TPR E7DT



**Pilot wire signalling** – ideal control system option for new build applications

**Single zone plug-in module controller** – mains powered by panel with 12hr backup

**Number of heaters** – up to 10 slave panels pilot wire linked in a single zone

**Timer features:**

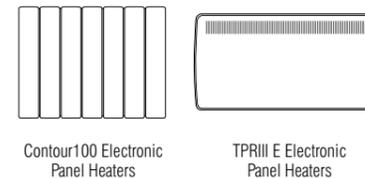
4 on/off time periods for weekdays and 4 for weekends

**Additional features:** key lock and 'advance to next programme' functions

## Plug-in 24 hour timer module for single heater control



24 Hour Timer Model TPR E24T



**Single heater control** – not system linked

**24hr plug-in timer module** – mains powered by panel with 12hr backup

**Number of heaters** – single heater control only

**Timer features:**

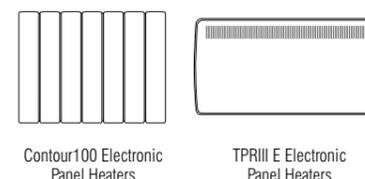
4 on/off time periods in 24hr

**Additional features:** key lock and 'advance to next programme' functions

## Plug-in runback timer module for single heater control



Run Back timer Model TPR ERBT



**Single heater control** – not system linked

**Runback plug-in timer module** – mains powered by panel

**Number of heaters** – single heater control only

**Timer features:**

on/off fixed runback time from 1/2hr up to a 4hr period (1/2hr increments selected at installation)

**Special function** – an alternative selection that switches from comfort to setback for an initial 24hr period, then switches to frost protect mode

## Plug-in timer for single zone mains borne panel heating system



MB Programmer Model MBPRG



MB Receiver interface Model MBIF

**Mains borne signalling** – no additional signal cabling required ideal for retro fit installations

**Single zone plug-in programmer** – powered by panel with battery backup

**Number of heaters** – any number of panels each with a receiver interface unit fitted

**Controller features** – 3 separate time clocks with hourly on/off period selection over 24hrs. Each can be allocated to one or more days of the week

**Panel heater features** – integral twin linked electronic comfort and setback thermostats

## TPRIII M/MT

Mechanical thermostatic panel heaters



Designed to complement Creda storage heaters, TPRIII mechanical thermostatic panels are ideal for any areas which require heating for short periods of the day. Cost effective, they offer an efficient way to extend existing heating systems and come with various control options to suit different applications.

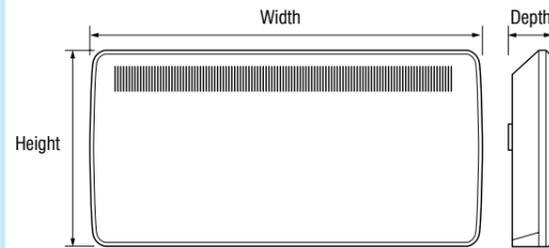
### Key features

- TPRIII (MT) models have programmable 24 hour timers
- TPRIII (MT7) model has a programmable 7 day timer
- Full or half power output selection
- Adjustable thermostat (5-30°C)
- Convected heat for rapid warm-up. Suitable for domestic or commercial use
- Frost protection setting
- Front heat outlet grille for efficient heat circulation
- Lockable dust cover
- Detachable hinged wall mounting bracket for fast installation and easy cleaning



### Technical Specification

- Element – mineral-filled sheathed type
- Thermostat – capillary type
- Finish – white powder coated steel
- Protection – auto reset thermal cut-out
- IP rating – IPX4 (splashproof)
- Supply – 230/240V AC single phase
- Cable – 900mm



### Range options



TPRIII M mechanical thermostat (all ratings).



TPRIII MT mechanical thermostat and 24hr timer (all ratings).



TPRIII MT7 mechanical thermostat with 7day timer (2kW model only).

### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
<b>Thermostat only models</b>					
TPRIII500M	0.5	430	450	108	4.8
TPRIII750M	0.75	430	620	108	6.2
TPRIII1000M	1	430	620	108	6.2
TPRIII1250M	1.25	430	690	108	6.6
TPRIII1500M	1.5	430	690	108	6.6
TPRIII2000M	2	430	860	108	8.0
<b>Timer models 24hr</b>					
TPRIII500MT	0.5	430	450	108	4.8
TPRIII750MT	0.75	430	620	108	6.2
TPRIII1000MT	1	430	620	108	6.2
TPRIII1250MT	1.25	430	690	108	6.6
TPRIII1500MT	1.5	430	690	108	6.6
TPRIII2000MT	2	430	860	108	8.0
<b>Timer model 7 day</b>					
TPRIII2000MT7	2	430	860	108	8.0

## TPRIII NC

No controls panel heaters



A range of panel heaters without any integral controls for use in applications where external control of temperature and time programming is required.

### Key features

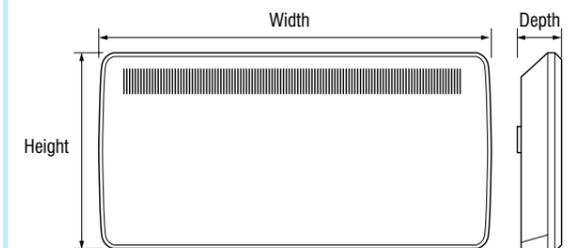
- Convected heat for rapid warm-up
- Suitable for domestic or commercial use
- Front heat outlet grille for efficient heat circulation
- Detachable hinged wall mounting bracket for fast installation and easy cleaning



No built-in controls to enable external time and temperature control.

### Technical Specification

- Element – mineral-filled sheathed type
- Finish – white powder coated steel
- Protection – auto reset thermal cut-out
- IP rating – IPX4 (splashproof)
- Supply – 230/240V AC single phase
- Cable – 900mm



### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
<b>No controls models</b>					
TPRIII500NC	0.5	430	450	108	4.8
TPRIII750NC	0.75	430	620	108	6.2
TPRIII1000NC	1	430	620	108	6.2
TPRIII1250NC	1.25	430	690	108	6.6
TPRIII1500NC	1.5	430	690	108	6.6
TPRIII2000NC	2	430	860	108	8.0

## Newera Plus

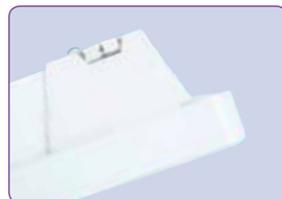
Panel heaters



A simple robust stand alone thermostatic panel heater. The Newera Plus range offers a low cost heating solution ideal for hotels or student accommodation.

### Key features

- Single mechanical thermostat, stand alone heating
- Excellent value and simple to operate
- Robust construction and easy to install
- Compact – takes up minimal wall space
- Hinged wall mounting bracket to allow easy access for cleaning and decorating
- Ideal for conservatories, extensions, hotels and student accommodation

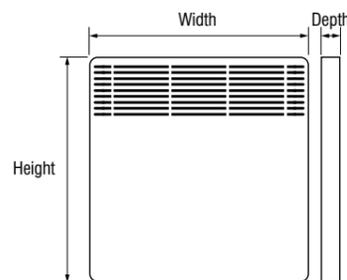


Single mechanical thermostat.



### Technical Specification

- Elements – finned, metal sheathed mineral filled type
- Thermostat – single mechanical
- Protection – two level thermal safety overheat
- Supply – 230/240V AC single phase
- IP Rating – IPX4 (splashproof)



### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)
HPH750	0.75	450	370	78
HPH1000	1	450	445	78
HPH1250	1.25	450	520	78
HPH1500	1.5	450	590	78

## TSR Sensor Plus & Slimline

Electric storage heaters



The multi-sense system in the TSR Sensor Plus automatically controls heat storage to maintain the desired room temperature.

### TSR Sensor Plus (AW models)

Working on any low-cost tariff, these heaters monitor the room temperature and energy stored within the heater core to avoid overcharging. This can save up to 15% of the energy used by ordinary storage heaters.

### Key features

- Multi-sense two thermostatic sensor control system for heat storage and room temperature control
- The only storage heater available that automatically monitors and controls heat output through a thermostatic sensor
- Controls couldn't be simpler – one for input and one for output
- Multi-sense system enables energy savings of up to 15%
- Automatic control means little if any control adjustment – just set and forget
- All multi-sense sensors are mounted within the heater
- Lockable controls cover

### TSR Slimline (MW models)

TSR Slimline models offer the same range of sizes and outputs but with simple manual input and output controls.

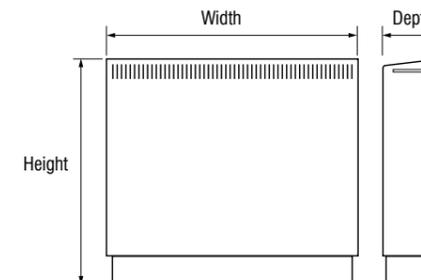


### Key features

- Simple controls – one for input and one for output
- Lockable controls cover
- Manual control adjustment

### Technical Specification

- Elements (storage) – mineral insulated stainless steel sheathed
- Insulation – opacified siliceous aerogel and mineral fibre mat
- Storage core – high density iron oxide compound
- Controls\*\* (Output) – manually adjustable thermostat controlling output damper.
- Controls (Input) – hydraulic charge control thermostat, manually adjustable
- Protection – two level thermal safety overheat
- Supply – 230/240V AC single phase



\*\*TSR6AW/MW have no user controls and are IPX2 rated (drip-proof)



### Product Selector

Model	Rating Storage (kW)	Charge Acceptance (7 hrs) (kWh)	Number of Elements	Number of Core Bricks	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TSR6AW	0.9	6.3kWh	1	4	705	335	170	41
TSR12AW	1.68	11.8kWh	2	8	705	560	170	77
TSR18AW	2.5	17.6kWh	3	12	705	788	170	110
TSR24AW	3.4	23.5kWh	4	16	705	1016	170	145
TSR6MW	0.9	6.3kWh	1	4	705	335	170	41
TSR12MW	1.68	11.8kWh	2	8	705	560	170	77
TSR18MW	2.5	17.6kWh	3	12	705	788	170	110
TSR24MW	3.4	23.5kWh	4	16	705	1016	170	145

## TSR Supaslim Combi

Combi storage heaters



The Supaslim Combi heater is designed to combine economic and low-cost storage heating with an independently thermostat-controlled fan heater. Effectively two heaters in one, the built-in fan can provide heat on its own or in combination with the storage heater for a rapid boost to room temperature.

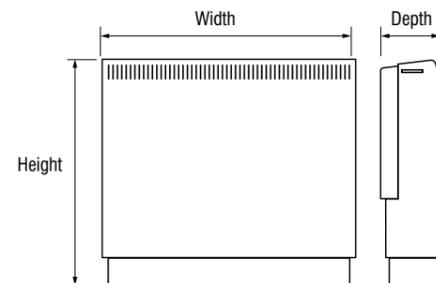
### Key features

- Combines economic tariff rate storage heater with a fast and responsive Warmflow fan heater for instant room heating
- The slimmest storage combination heater available
- Sensamatic fully automatic storage heater output ensures room comfort levels are maintained throughout the day without user intervention
- Quiet, low velocity Warmflow fan
- The Warmflow fan heater has manually adjustable room temperature sensing thermostatic control accurate to within 0.5°C
- All controls are concealed behind a lockable flap
- Hydraulic input charge control thermostat provides auto-set input charge control
- Fan heater ratings can be set on full or half load (installation option)



### Technical Specification

- Elements (storage) – mineral insulated stainless steel sheathed
- Insulation – opacified siliceous aerogel and mineral fibre mat
- Storage core – high density iron oxide compound
- Fan unit – crossflow
- Controls – hydraulic head temperature compensated, room and storage core temperature sensitive, auto-set charge control
- Protection – two level thermal safety overheat
- Supply – 230/240V AC single phase



### Product Selector

Model	Rating Storage (kW)	Direct Acting (kW)	Charge Acceptance (7 hrs) (kWh)	Number of Elements	Number of Core Bricks	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TSR12ACW	1.7	1/0.5	11.8	2	8	760	560	170	78
TSR18ACW	2.5	1.5/0.75	17.6	3	12	760	788	170	114
TSR24ACW	3.4	2/1	23.5	4	16	760	1016	170	149

## SFHA Sensair Automatic

Storage fan heaters



Able to operate on virtually any tariff and with two and a half times greater insulation levels than conventional storage heaters, the SFHA achieves higher SAP and NHER ratings than manual input storage heaters. The ultimate combination.

### Key features

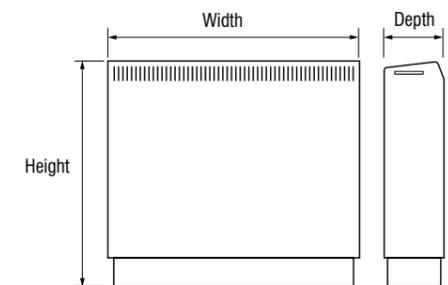
- Combines electric storage heating, direct acting heating and fanned heat output with simple controls
- Fully automatic heat storage – no user adjustment required on input controls
- High performance insulation works more effectively than a conventional storage heater
- Heat output is via a quiet two speed fan
- Boost setting for high speed room heat up
- Fan can be switched off without altering thermostat setting
- Operates on virtually any tariff and takes better advantage of extended or split tariffs
- Fanned heating avoids heat stratification
- Lockable controls cover
- Negative pressure air movement through the storage core avoids hotspots and heat leakage
- Fan operation can be controlled by an external timer, such as the RFRTK7

The incorporation of high performance insulation means that stored heat is effectively retained by the heater, meaning that more useful heat is available for later in the day. The heat output is then regulated by a simple, thermostatically controlled fan providing economical heat when and where you want it.



### Technical Specification

- Elements (storage) – mineral insulated stainless steel sheathed
- Insulation – opacified siliceous aerogel and mineral fibre mat
- Storage Core – high density iron oxide compound
- Fan Unit – two speed crossflow fan
- Controls (Output) – regulated by fan, activated by integral adjustable thermostat
- Controls (Input) – hydraulic head temperature compensated, room and storage core temperature sensitive, auto-set charge control
- Protection – two level thermal safety overheat
- Supply – 230/240V AC single phase



### Control options

RFRTK7 RF remote thermostat and programmer kit.

Enables programmable time and temperature control with wireless signalling between the remote wall mounted thermostat and the receiver unit at the appliance.



### Product Selector

Model	Rating Storage (kW)	Direct Acting (kW)	Charge Acceptance (7 hrs) (kWh)	Number of Elements	Number of Core Bricks	Remaining Useful Heat After 17hrs (Static) Discharge (Fan off) (%)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
SFHA18AW	2.5	1.5	17.6	3	12	40	705	788	187	121
SFHA24AW	3.4	1.5	23.5	4	16	40	705	1016	187	158

## Storage heater accessories

A choice of heater accessories to complement the storage heater ranges. Useful shelves for utilising space above the heater and rail attachment to warm towels and clothes.



### TSR towel rails

- Available for TSR 6, TSR 12 and TSR18 auto and manual models
- Warms and dries towels safely
- Matching white finish
- Quick and easy to fit
- Supplied complete with fixings

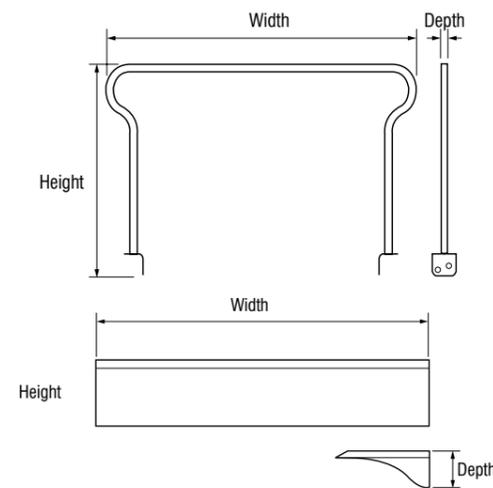


### Storage heater shelves

- Available in four widths to cover all sizes of TSR storage heaters and SFHA storage fan heaters
- Matching white finish
- Quick and easy to fit
- Supplied complete with fixings



### Rail and shelf dimensions



### Heater guard options

A range of guards, designed to protect against accidental contact with the hot surface of the heater, is available for Creda heaters from our suppliers:

C. Aiano Ltd.

**Please contact them direct:**  
Tel: 020 7987 1184 Web: [www.aianos.co.uk](http://www.aianos.co.uk)

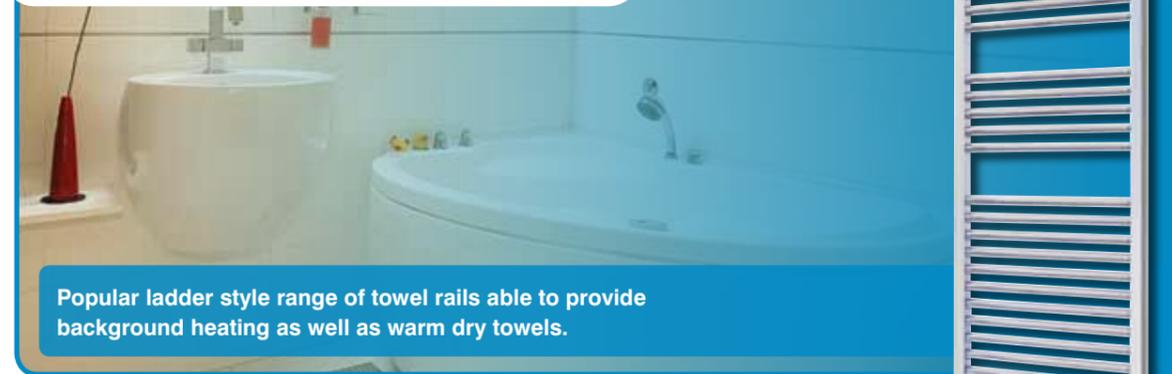


### Product Selector

Model	Product Description	Compatible Products	Height (mm)	Width (mm)	Depth (mm)
TR6	Storage heater towel rail attachment	TSR6A and TSR6M	226	391	Ø10
TR12	Storage heater towel rail attachment	TSR12A and TSR12M	226	618	Ø10
TR18	Storage heater towel rail attachment	TSR18A and TSR18M	226	826	Ø10
SHS6	Storage heater shelf	TSR6	140	405	93
SHS12	Storage heater shelf	TSR12	140	630	93
SHS18	Storage heater shelf	TSR18 and SFHA18	140	858	93
SHS24	Storage heater shelf	TSR24 and SFHA24	140	1086	93

## Outline

Thermostatic integral control towel rails



Popular ladder style range of towel rails able to provide background heating as well as warm dry towels.

### Key features

- 300W, 500W and 750W output rails
- High quality white or chrome finish
- Integral controls (controls must be positioned outside of zones 0, 1 & 2)
- Digital electronic thermostat
- Pilot wire control compatible
- IPX4 rated (splashproof)



### Integral control features (White finish only)

- Push button – On/off with neon indicator
- Rotary – Thermostat with frost protection setting
- Rotary – Variable boost – time set 15 minutes, 30 minutes, 1 hour or 2 hours

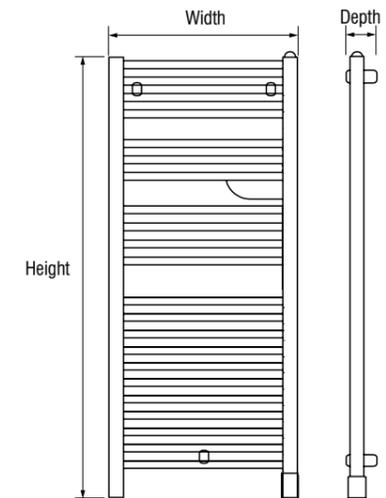


### Integral control features (Chrome finish only)

- Push button – On/off with neon indicator
- Rotary – Thermostat with frost protection setting
- 2 hour boost setting
- Eco setting

### Technical Specification

- Element – cartridge type
- Control – digital electronic thermostat with boost facility
- Protection – thermal cut-out
- Supply – 230/240V AC single phase
- IP Rating – IPX4 (splashproof)



### Control options

Outline towel rails can be pilot wire linked to a central controller as part of a complete heating system. (See page 32 for more details).

### Product Selector

Model	Product Description	Rating (Watts)	Height (mm)	Width (mm)	Depth (mm)
OTRC300	Outline 30 (chrome)	300	855	500	85
OTRC500	Outline 50 (chrome)	500	1300	500	85
OTRW500	Outline 50 (white)	500	815	550	85
OTRW750	Outline 75 (white)	750	1225	550	85
PWE4ZC	4 zone pilot wire central controller				

## Proline TPL

Fast response electric ladder towel rails



Ladder style towel rail. Available in a choice of two sizes with chrome or white finish.

### Key features

- Even heat distribution – no cold spots
- Compact, slimline design
- Can be mounted for left or right cable entry
- Oil filled for even heat transfer

### Control options



RFRTK7 RF remote thermostat and programmer kit.

Enables thermostatic and time control using wireless signalling between the remote wall mounted thermostat and the receiver unit at the appliance (Also available thermostat kit only see page 32).

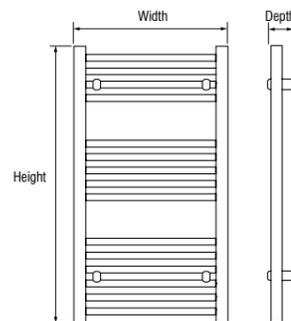


PW E16A Pilot wire auxiliary interface unit

Enables heaters without electronic controls to be centrally programmed, for on/off time periods only, as part of a pilot wire linked heating system (see page 32).

### Technical Specification

- Control – cycling cutout
- Protection – Two auto re-set temperature limiters
- Supply – 230/240V AC single phase
- IP Rating – IPX4 (splashproof)

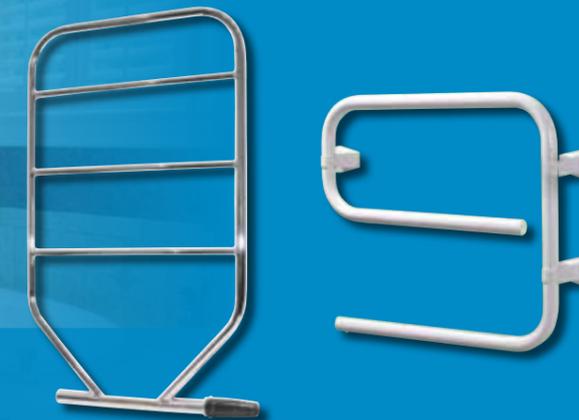


### Product Selector

Model	Description	Rating (Watts)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TPL180SW	Straight white	180	610	453	80	6.0
PL220SW	Straight white	220	843	453	80	6.9
PL260SW	Straight white	260	610	602	80	7.8
TPL360SW	Straight white	360	843	602	80	11.0
TPL180SC	Straight chrome	120	610	453	80	6.0
PL220SC	Straight chrome	220	843	453	80	6.9
PL260SC	Straight chrome	260	610	602	80	7.8
TPL360SC	Straight chrome	260	843	602	80	11.0
<b>RF Thermostat kits</b>						
RFRTK	RF remote thermostat kit	2000				
RFRTK7	RF thermostat and programmer	2000				
RFRI	RF additional receiver unit only	2000				
<b>Pilot wire interface unit</b>						
PWE16A	Pilot wire auxiliary interface unit	3000				

## TD and Solarail

Electric towel rails



Classically styled towel rails that warm and dry towels. All models offer low energy use whilst maintaining superior heat output.

### TD towel rail range

Permanently liquid filled for maintenance free operation the TD towel rail range offers chrome and white options, ideal for drying and airing small towels in areas such as kitchens, cloakrooms and ensuite bathrooms. The TD towel rail can be left switched on indefinitely with the low wattage cartridge element providing economical operation.

### Key features

- 60W, 90W & 175W models available
- Available in white or chrome finishes
- Oil filled for even heat transfer
- Mains neon indicator
- Supplied with wall mounting brackets as standard
- Durable white stove enamel or chrome plated
- Can be mounted for left or right hand cable entry



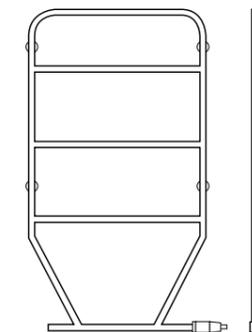
### Control options

RFRTK RF remote thermostat kit.

Enables thermostatic control of electric towel rails using wireless signalling between the remote wall mounted thermostat and the receiver unit at the appliance (see page 32).

### TD Technical Specification

- Element – cartridge type
- Cycling thermostat
- Protection – thermofuse
- Supply – 230/240V AC single phase
- IP Rating – IPX4 (splashproof)



### Solarail dry element towel rail range

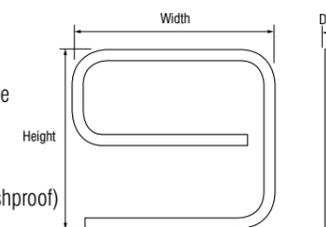
Designed for towel drying in the bathroom, shower room or even kitchen areas, Solarails are compact enough to fit in the smallest of spaces.

### Key features

- 50W dry element towel rails
- Supplied with mains cable and mounting brackets for easy installation
- Finished in white or chrome
- Low running cost

### Solarail Technical Specification

- Flexible cable type
- Cycling thermostat
- Protection – thermofuse
- Supply – 230/240V AC single phase
- IP Rating – IPX4 (splashproof)



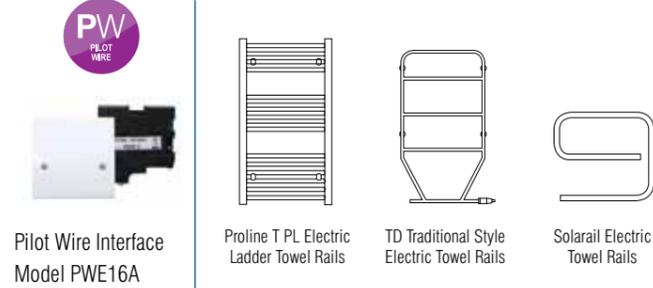
### Product Selector

Model	Product Description	Rating (Watts)	Height (mm)	Width (mm)	Depth (mm)
TD60C	TD towel rail (chrome)	60	616	533	93
TD90W	TD towel rail (white)	60	851	533	93
TD90C	TD towel rail (chrome)	90	851	533	93
TD120W	TD towel rail (white)	120	616	533	93
TD175W	TD towel rail (white)	175	851	533	93
RFRTK	RF remote thermostat kit	-	-	-	-
CSR50W	Solarail 50 (white)	50	518	518	85
CSR50C	Solarail 50 (chrome)	50	518	518	85

## Control options

The performance and economy of Creda heating products can be further enhanced by use of control options best suited to the type of installation and lifestyle requirements.

### Auxiliary heater interface for pilot wire linked heating system



**Pilot wire signalling** – ideal control system option for new build applications  
**16amp interface unit** – for auxiliary heaters without any integral controls  
**Number of heaters** – single unit with up to 3kW maximum loading  
**Interface features:** on/off switching only as signalled by the central controller  
**Installation** – requires a 46mm deep single gang metal back box for flush mounting

### RF remote thermostat/programmer kits for auxiliary appliances



**Radio frequency signalling** – wireless signalling between thermostat/programmer unit and the receiver at the heater  
**Number of heaters** – multiple heaters with receivers fitted up to a maximum total loading of 2kW  
**Thermostat unit features:** push on/off rotary control (5°C-30°C) with 30 minute boost  
**Thermostat with programmer unit** – 4 programmable on/off time periods for weekdays and weekends. LCD display with 12hr backup memory  
**Installation** – must be mounted in a single, recessed metal dock-box

Towel rails and other heaters without controls. RFRTK7 can also provide time control for SFHA fan unit

## CDF

### Compact downflow fan heaters



Fast response downflow heaters offer a low cost solution for rapid heating on demand. Available in three models, they are ideal for bathrooms, shower rooms and kitchens.

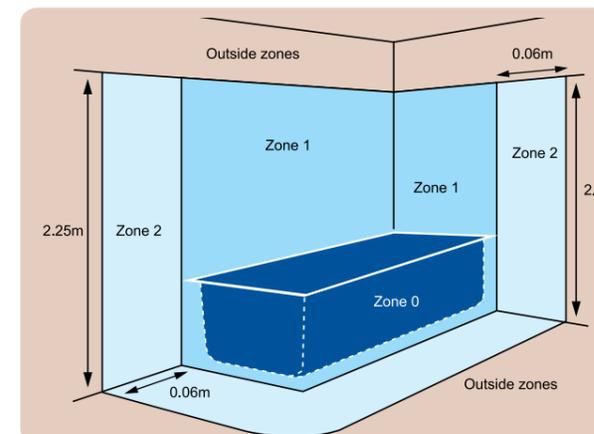
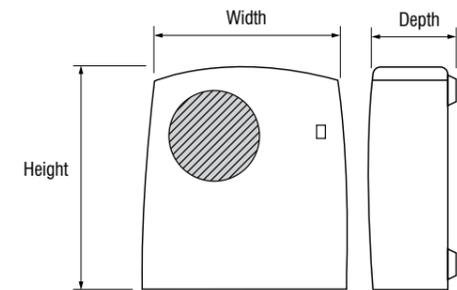
### Key features

- 1kW constant heat only (Model CDF1)
- 2kW steps back to 1kW after warm up (Models CDF2N & CDF2IPX4)
- Pull cord operated
- Power on neon indicator
- Two integral safety devices
- CDF2IPX4 is IPX4 rated for use in Zone 2 of a bathroom

### Technical Specification

- Element – stitched type
- Protection – thermal cut-off and safety overheat
- Weight 1.45kg
- Supply – 230/240V AC single phase
- CDF1 and CDF2N – IPX2 rated
- CDF2IPX4 – IPX4 rated

### Range options



### Electrical products installed in bathrooms

Heating products installed in Zone 2 of a bathroom must carry an IP rating of at least IPX4 (IPX5 if water jets are going to be used in that area).

All electrical products must be connected in compliance with IEE wiring regulations (17th edition) and the circuit protected by an RCD.

### Product Selector

Model	Product Description	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)
CDF1	Compact downflow (constant)	1	240mm	235mm	135mm
CDF2N	Compact downflow (step down)	2	242mm	229mm	109mm
CDF2IPX4	IPX4 rated downflow (step down)	2	267mm	250mm	131mm

## SolPlinth

Electric plinth heaters for base units



Small and compact, plinth heaters heat a room much faster than a traditional radiator many times its size but do not occupy valuable wall space. The heater sits neatly in kitchen base units, reception desks, shop counters and even stair risers to provide an unobtrusive flow of warm air at floor level.

Manual model (white fascia fitted)

### Key features

- Choice of 3 models: manual, remote or no controls
- Each model comes complete with white, brown and silver fascias
- Automatic over temperature cut out
- Maximum output of 2kW (TM can be 1kW or 2kW)
- Low noise fan only option for cool air circulation (on TM models)
- Easy slot in profile (no metal sleeve required)



No controls model (brown fascia fitted)



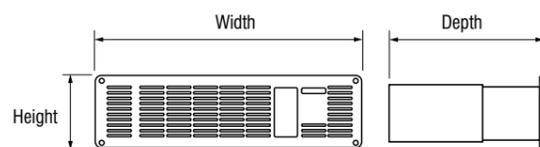
Remote model (silver fascia fitted)



PH2TR supplied complete with hand held on/off infra-red remote control.

### Technical Specification

- Element – stitched 'black heat' type
- Fan – crossflow type
- Thermoplastic body
- Powder coated fascias white, brown and silver
- Weight 2.5kg
- Supply – 230/240V AC single phase



### Product Selector

Model	Rating (kW)	Product Description	Height (mm)	Width (mm)	Depth (mm)
PH2TM	2	Plinth heater 2kW thermostatic manual	100	400	200
PH2TR	2	Plinth heater 2kW thermostatic remote	100	400	200
PH2NC*	2	Plinth heater 2kW no controls	100	400	200

\*while stocks last

## SolTile

Electric undertile heating



SolTile undertile heating gently dissipates into the room, giving an even, draught-free and comfortable warmth. Independent tests have shown that if your feet are warm, the air temperature in your room can be set a few degrees lower without affecting how you feel, resulting in lower fuel bills.

With a low capital cost and easy installation, undertile heating can be a very attractive proposition. But combine this with the clean, even and draught free heat produced and no unsightly radiators to collect dust and hamper future redecoration, then the arguments in favour of SolTile become very attractive. Ideal for bathrooms, kitchens and conservatories.



Typical undertile installation



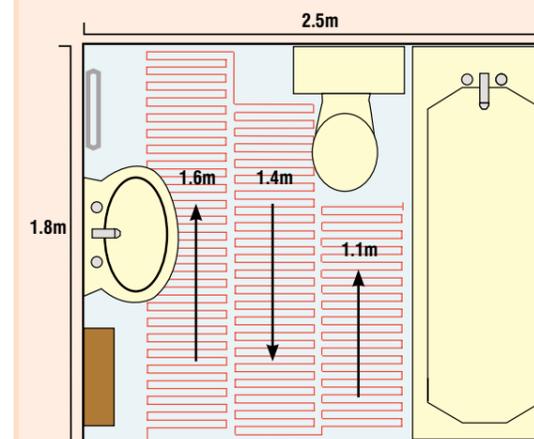
### Control options

Multi-controller (optional)  
Advanced multi-controller allows 7 day programming of 'on/off' times, comfort and set-back temperatures.  
Model CSGMC

### What size heating mat?

Making sure the correct sized mat is ordered is essential. Undertile heating does not go under permanent furniture.

The bathroom below is 1800mm long by 2500mm wide, this equals 4.5m<sup>2</sup> of floor area but the actual amount of undertile heating required is only 2m<sup>2</sup>.



Add the lengths of runs i.e. 1.6 + 1.4 + 1.1 = 4.1 metres. Calculate the m<sup>2</sup>, multiply overall length (4.1) by mat width (0.5m), 4.1m x 0.5m = 2.05m<sup>2</sup>.

Never select a mat larger than this area. In this case you would select the 2.0m<sup>2</sup> mat.

### Product Selector

Model*	Rating (Watts)	Area (m <sup>2</sup> )	Length (mm)	Width (mm)	Depth (mm)
CSG1	160	1	2,000	500	3
CSG1.5	240	1.5	3,000	500	3
CSG2	320	2	4,000	500	3
CSG3	480	3	6,000	500	3
CSG4	640	4	8,000	500	3
CSG5	800	5	10,000	500	3
CSG6	960	6	12,000	500	3
CSGMC	SolTile Multi-Controller (7 day programmer)		83	79	22 (44 total)

\*Always use a standard electrical junction box when connecting more than two mats.

## SolTube/SunTube

Tubular heaters



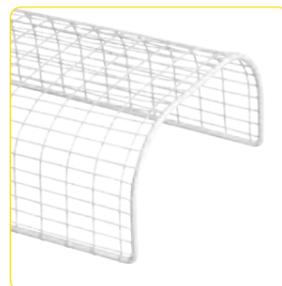
SolTubes & SunTubes are ideal where energy efficient gentle background warmth and frost protection is needed in both domestic and commercial applications. They are highly effective as window demisters and for horticultural use, providing invaluable, effective heating and frost protection in greenhouses and conservatories.



### Key features

- 60-360W outputs
- A range of 4 lengths and loadings
- Complete with universal mounting brackets for floor or wall fixing and 1.5m white cable with fitted plug

### Optional accessories



### Interlinking kit

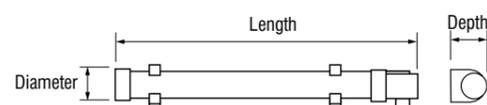
Available for multiple installations (100mm mounting centres).

### STG guards\*

We recommend the use of guards for additional security in sensitive areas such as schools, hospitals and care homes. These can be obtained from C.Ainao Ltd. Tel: 020 7987 1184 www.aianos.co.uk

### Technical Specification

- Mineral filled sheathed throughout
- Polyester epoxy powder coated aluminium body
- High temperature glass filled nylon end caps and brackets
- Supply – 230/240V AC single phase
- IPX4 rated



### Product Selector

Model	*Guard short code	Rating (Watts)	Diameter (mm)	Length (mm)	Depth (mm)
CST1/ST1	STG1	60	70	350	95
CST2/ST2	STG2	120	70	655	95
CST4/ST4	STG4	240	70	1265	95
CST6/ST6	STG6	360	70	1875	95

Tubular linking kit – Compatible for all above models

## TSF Turbo

Commercial fan storage heaters



The TSF Turbo fan storage heaters provide controlled output space heating with maximum economy and flexibility. It retains up to 40% of its total stored heat after 17 hours, making it one of the most energy efficient storage heaters on the market today.



### Key features

- Smooth, rounded, modern appearance, compatible with commercial interiors
- TSF Turbo can be used on all economy electricity tariffs
- Available in 3.4kW, 4.6kW and 5.7kW models
- Highly controllable with enhanced insulation for better performance
- In-built direct element for out of season heating using day rate electricity
- Fanned heat is faster and more even in distribution, particularly near ground level
- Easy to use manual controls for room thermostat and economy charge
- Single or 3 phase installation capability

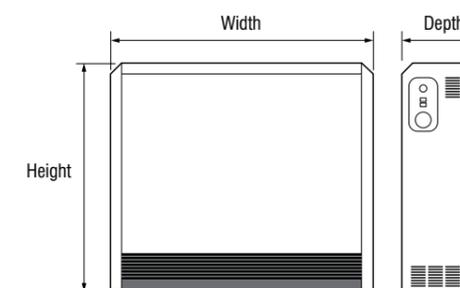


### User controls

- Charge input control – used to control the length of time the heater charges for
- Neon switch for fan – easy indication that the heater is energised
- Neon switch for direct acting element – gives user access to additional heat when needed
- Heat output control – precise control over heat released to the room

### Technical Specification

- Insulation – opacified siliceous aerogel and mineral fibre mat
- Storage core – high density iron oxide compound
- Storage elements – mineral insulated stainless steel sheathed
- Protection – two level thermal safety overheat
- Supply – 230/240V AC single phase or 400V AC three phase



### Product Selector

Model	Rating (kW)	Direct Acting Element Load (kW)	Charge Acceptance (7 hrs) (kWh)	Weight (kg)	Number of Core Bricks	Height (mm)	Width (mm)	Depth (mm)
TSF24K	3.4	0.7	23.8	137	18	672	776	250
TSF32K	4.6	1.1	32.2	176	24	672	926	250
TSF42K	5.7	1.5	39.9	215	30	672	1076	250

# SolHeat

Outdoor patio heaters



SolHeat patio heaters provide an economic, attractive outdoor heating solution that is quick and easy to install, and can be conveniently controlled at the 'flick of a switch'.

### Key features

- Low running costs as radiant heat heats people directly not the air
- Instant heat cuts the cost of outdoor heating overall
- Silent running with no moving parts or noisy naked flames
- Convenient – no need to refill gas bottles
- Safe – no flammable gas bottles to be knocked over
- Low capital cost as these heaters allow you to select fewer heaters, but place them exactly where the heating need is
- When used with PIR sensors, further energy savings are available

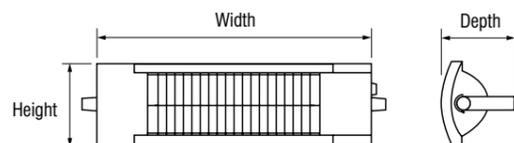


### Gold finish halogen lamp

The gold quartz halogen lamp fitted to the SolHeat runs at up to 2,200°C and offers extended performance and 15% greater transmission.

### Technical Specification

- Element – 2kW gold quartz halogen lamp
- Finish – high quality aluminium case in silver
- Reflector – high performance polished reflector
- Fitted guard included
- IP rating – IPX4
- Supply – 230/240V AC single phase



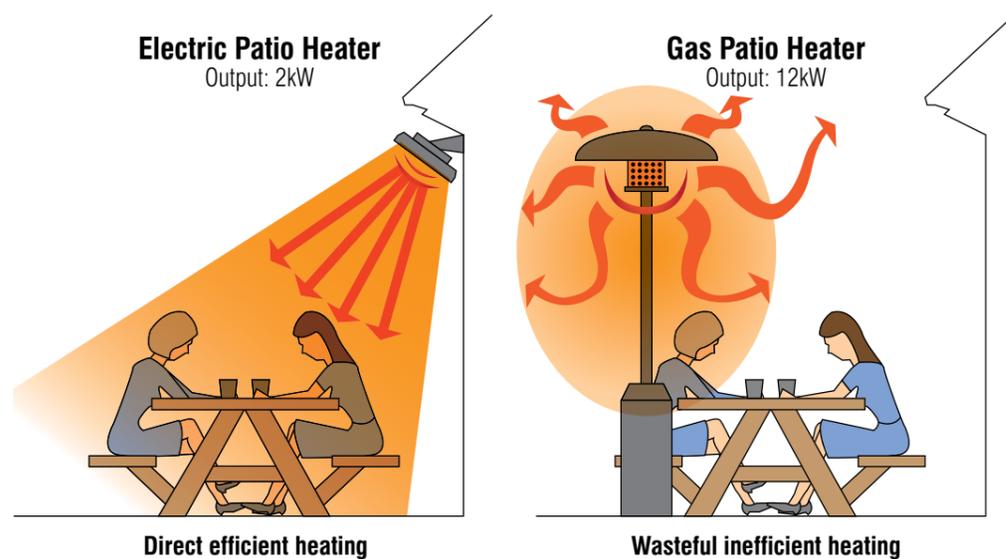
### Patio heating – why choose electric?

Electric patio heaters provide the only viable method of heating an outdoor space without wasting heat to the atmosphere.

Unlike gas heaters, their electric counterparts use infra-red lamps designed to allow outdoor heating without significant wasted heat.

Electric outdoor heaters heat people directly, rather than heating the surrounding air, making them the most suitable solution for outdoor heating. They can also be linked to automatic switches and PIR sensors for further savings in energy.

The diagram shows the differences between the two technologies and the comfort they provide.



### Product Selector

Model	Rating (kW)	Product Description	Height (mm)	Width (mm)	Depth (mm)
CSP2	2	SolHeat outdoor patio heater	159	594	144

# SolQuartz/SunQuartz

Shortwave infra-red radiant heaters



Instant heat right where it's needed. These short wave infra-red heaters warm people, not the air. Their uses are endless, from warehouses to churches. These efficient sun-like heaters can penetrate damp air with minimal heat loss to the atmosphere.

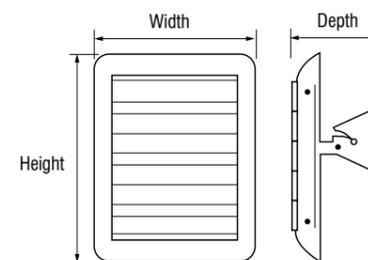


### Key features

- Up to 90% efficient at converting electricity into heat
- Instant sensation of heat with visible glow at switch on
- Absolutely silent in operation
- Long range heat projection
- Lightweight and silent
- Universal mounting bracket
- All models can be connected to single phase 230v supply
- CSQ45 model can also be connected to 3 phase supply

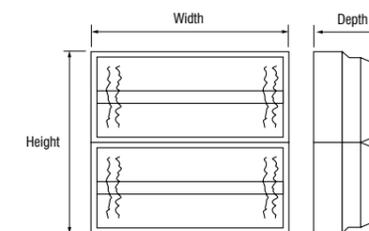
### SolQuartz Technical Specification

- Infra-red shortwave radiant heating
- Tungsten halogen lamps, with ruby red quartz outer sleeve
- Steel case with aluminium reflector
- Adjustable wall mounting bracket included
- Satin silver paint finish
- Type 3 or C MCB with 7-10 tripping co-efficient



### SunQuartz Technical Specification

- Tungsten halogen lamps, 230/240V with ruby red quartz outer sleeve
- Reflectors bright rolled, specular 99.8% aluminium, electro-chemically brightened
- Electro zinc coated steel casing
- High pressure die cast aluminium end castings
- Epoxy polyester powder paint finish white/grey
- Supply – 230/240V AC single phase (3 lamp units can be connected to a 380/415V 3 phase supply)



### SolQuartz Product Selector

Model	Rating (kW)	Number of lamps	Recommended height (m)	Coverage At Recommended height* (Throw(A) x Spread(B)) (m)	Height (mm)	Width (mm)	Depth (mm)
CSQ15	1.5	1	2.5	3.4 x 3.7	256	440	310
CSQ30	3	2	3.5	5.7 x 5.7	380	440	310
CSQ45	4.5	3	4.0	7.1 x 6.9	506	440	310

\*Calculated at 95w/m<sup>2</sup> mounted at 45°

### SunQuartz Product Selector

Model	Rating (kW)	Number of lamps	Height (mm)	Width (mm)	Depth (mm)
SQ1.5	1.5	1	185	390	115
SQ2.0	2	1	185	390	115
SQ3.0	3	2	370	390	115
SQ4.0	4	2	370	390	115
SQ4.5	4.5	3	555	390	115
SQ6.0	6	3	555	390	115

## SolWave/CR

Long wave infra-red heaters



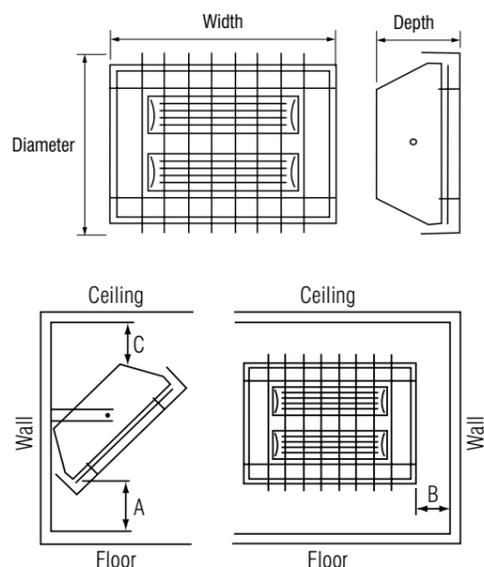
Long Wave infra-red radiant heaters provide highly efficient space heating without any glow. These heaters incorporate dual ceramic emitters to rapidly convert electrical energy into heat energy without producing light. With no moving parts, these heaters are virtually maintenance-free.

### Key features

- Durable ceramic emitters which rapidly convert electrical energy into heat energy
- Available in 2, 3 and 4.5kW versions
- No fans or moving components, so no dust contamination to the environment
- Low maintenance
- Good vibration resistance
- Fitted with wire safety guards
- Robust fitting brackets
- Ideal for commercial and industrial application where glare free heat is required

### Technical Specification

- Element – ceramic encased aluminium
- Grey painted steel casing
- Supply – 230/240V AC single phase



### Area of coverage at minimum mounting height

Heating index	Applications	2kW (m <sup>2</sup> )	3kW (m <sup>2</sup> )	4.5kW (m <sup>2</sup> )
130-150W/m <sup>2</sup>	Shops, meeting halls	7.2	12.0	18.8
150-170W/m <sup>2</sup>	Offices, canteens	6.8	11.3	17.7
170-200W/m <sup>2</sup>	Workshops, garages	6.0	10.0	15.7
220-240W/m <sup>2</sup>	Churches	4.7	7.8	12.3

### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)	Minimum Mounting Distance A	Minimum Mounting Distance B	Minimum Mounting Distance C
CCR2/CR2	2	340	376	140	1800	300	200
CCR3/CR3	3	340	376	140	2500	300	300
CCR45/CR45	4.5	440	376	140	3000	500	500

## SolSlim/SunSlim

Commercial radiant heaters



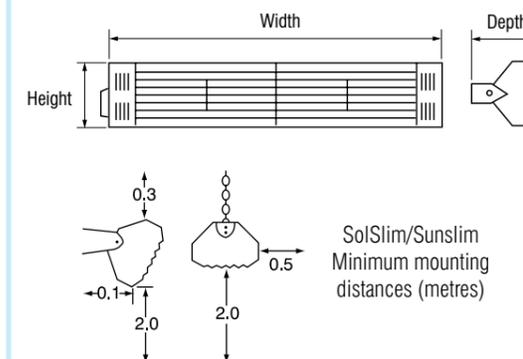
SolSlim & SunSlim is a low cost, robust and easy to install radiant heater with tilt mounting to allow heat to be localised or directed to a general area. The SolSlim can be wall-mounted or ceiling hung, making it ideal for larger commercial or industrial premises.

### Key features

- Instant, directional radiant heat
- Available in 2kW and 3kW versions
- Suitable for bracket or chain mounting
- Completely silent in operation
- Lightweight and robust
- Corrosion resistant
- Easy to install
- Ideal for localised heating in large covered areas such as factories and workshops

### Technical Specification

- Element – metal sheathed
- Zinc coated steel body/matt black end caps
- Chrome plated steel guards
- Anodised aluminium reflector
- Supply – 230/240V AC single phase



When planning a radiant heating installation, refer to Table 1 to select the application and type of environment you wish to heat. Table 2 shows the area that can be heated by a single SolSlim radiant heater in 3kW and 2kW variants.

Note: Heating areas can be overlapped to achieve the necessary heating index.

Table 1 – SolSlim heating index

Applications:	Heating Index
Offices, canteens, waiting rooms, entrance halls, dressing rooms	10-14
Shops, meeting halls, recreation rooms, clubs	12-16
Workshops, garages, public buildings	14-18
Warehouses, loading bays, hangars	16-20
Churches	18-20

Table 2 – SolSlim heated area

Heating index	3kW			2kW		
	H	L	W	H	L	W
10	4.0	5.24	5.49	3.3	4.11	4.53
12	3.6	4.88	4.94	3.0	3.84	4.12
14	3.2	4.51	4.39	2.7	3.57	3.70
16	3.5	4.33	4.12	2.5	3.38	3.43
18	2.8	4.14	3.84	-	-	-

H = mounting height (determined by on-site requirements) L = length of the heated area W = width of the heated area

### Product Selector

Model	Rating (kW)	Height (mm)	Width (mm)	Depth (mm)	Minimum Clearance To Floor (mm)	Minimum Clearance To Ceiling (mm)	Minimum Clearance To Each Side (mm)
CSL2/SL2	2	108	1,215	71	2000	300	500
CSL3/SL3	3	108	1,671	71	2000	300	500

## SolFan

High level fan heater



The SolFan is a rapid response fan heater designed for heating in smaller commercial installations and can be used for air circulation in summer.

### Key features

- Compact design for smaller installations
- Multi-angle bracket with single screw locking for easy airflow adjustment
- Thermostatic temperature control as standard
- Air circulation mode for summer use
- Wall remote control with thermostat supplied as standard
- Red neon indicating heater energised

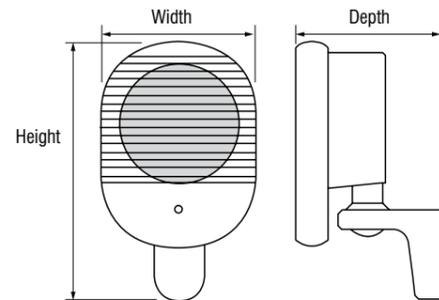


### Controls

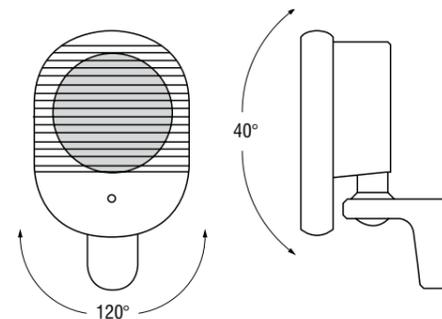
Thermostatic controller (included). For remote switching on/off and variable thermostatic control.

### Technical Specification

- Nylon heater case
- Axial fan
- Thermostat range 5°C - 35°C
- Wire strung element
- Grey finish
- Protection – Electrical reset
- Supply – 230V AC single phase



### Flexible Adjustment



### Product Selector

Model	Rating (kW)	Noise level @1m (dBA)	Height (mm)*	Width (mm)	Depth (mm)
CSF3	3	24	378	230	226
Remote	-	-	60	170	102

\*with bracket

## SunFan

Wall mounted fan heater



The SunFan is a robust 3kW commercial/ industrial wall mounted fan heater design to provide highly efficient heating in winter, or cool air circulation in summer.

### Key features

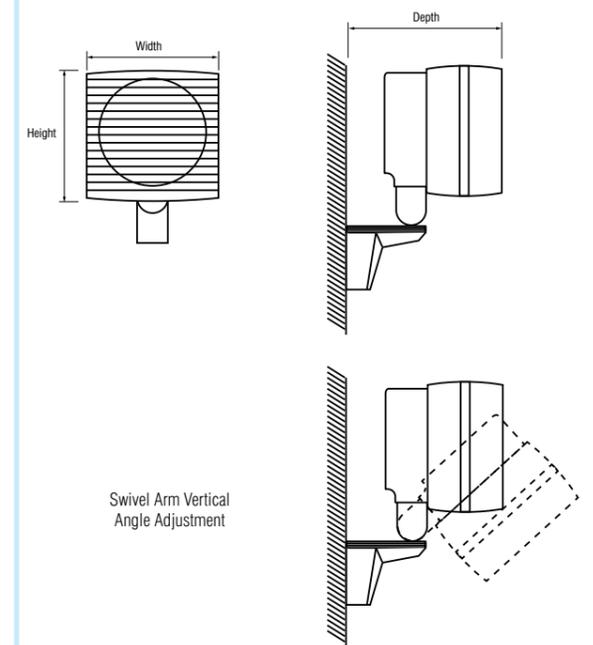
- High air volume throughput of 300m<sup>3</sup>/hour
- Quiet running, totally enclosed motor
- Wall mounted with 2 part self supporting bracket
- Multi-directional adjustment of 45° vertically and 150° horizontally with single screw locking
- Remote control switch available as an option to provide a cool air circulation facility
- 1 year guarantee (UK)
- BEAB and CE approved
- Two tone grey



### Accessories

The dual control switch can be used to control the SunFan remotely, switching it both on and off and to fan only, for cool air circulation in the summer.

### Technical Specification



### Product Selector

Product reference	Short Code	Rating (kW)	Noise@1m (dBA)	Height (mm)	Width (mm)	Depth (mm)
SunFan	SF3	3	47.9dBA	229*	267	260**
Dual Control Switch	DCS	-	-	-	-	-

\*excluding bracket \*\*to wall

## SolScreen

Warm air curtains



The SolScreen range provides a welcoming flow of warmed air close to open entrances and is often chosen to help encourage shoppers in through open entrances.



### Key features

- 3kW or 4.5kW models available
- Full heat, half heat and fan modes
- CSS3 can be set to output 3kW or 1.5kW
- CSS45 can be set to output 4.5kW or 2.25kW
- Fan only mode for summer air circulation
- Can be fixed to the ceiling or wall mounted using the included bracket
- Bracket allows adjustment over air direction
- Central front panel switches for clear indication of operation mode
- Quiet running motor

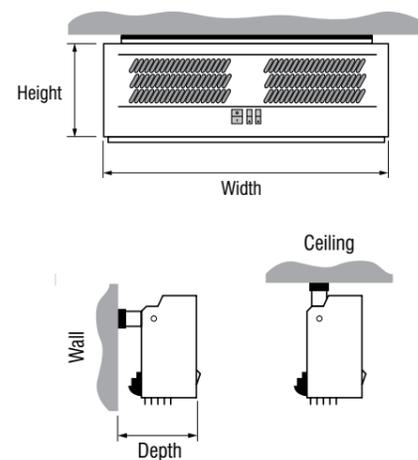


### Controls

Operation is clear to see with front mounted controls.

### Technical Specification

- Tangential blower
- Wire stitched element
- Powder coated steel body white/black
- Protection – electrical reset
- Supply – 230/240V AC single phase



### Product Selector

Model	Rating (kW)	Recommended Mounting Height (m)	Height (mm)	Width (mm)	Depth (mm)
CSS3	3	1.8 - 2.25	214	605	135
CSS45	4.5	1.8 - 2.25	214	605	135

## Website

Our new website includes a wealth of additional information to help you make the right choice of heating system and to find your local supplier of Creda products.

As well as the product information featured in this brochure, the site has a comprehensive Help Centre which features:

- Calculate heating requirements – to ensure you select the right Creda products for your heating requirements, simply type of a few details on your room into this online calculator
- Heating design service – let us take the pain out of your heating design requirements if you need a heating solution for multiple properties. We offer a number of service levels, all graded according to customer deadlines and complexity of the scheme

- Where to Buy – type in your postcode and details of your nearest suppliers including phone number and map is returned
- Installation/Operation Instructions – for quick access to installation instructions for one of our products any time of the day or night
- Request a repair – if you do need a repair for a product, visit this page for advice on what the procedure is for products in and out of warranty

Visit [www.credaheating.co.uk](http://www.credaheating.co.uk)

