



# **DOR 920 LCD OIL FILLED RADIATOR WITH LCD**

Instruction Manual



## **After Sales Support**

Now you have purchased a Delta product you can rest assured in the knowledge that as well as your 3 year parts and labour warranty you have the added peace of mind of dedicated helplines.

### **AFTER SALES SUPPORT**

UK / N.IRELAND HELPLINE NO 0151 649 1500

REP. IRELAND HELPLINE NO 1890 946 244

MODEL NUMBER: 3337

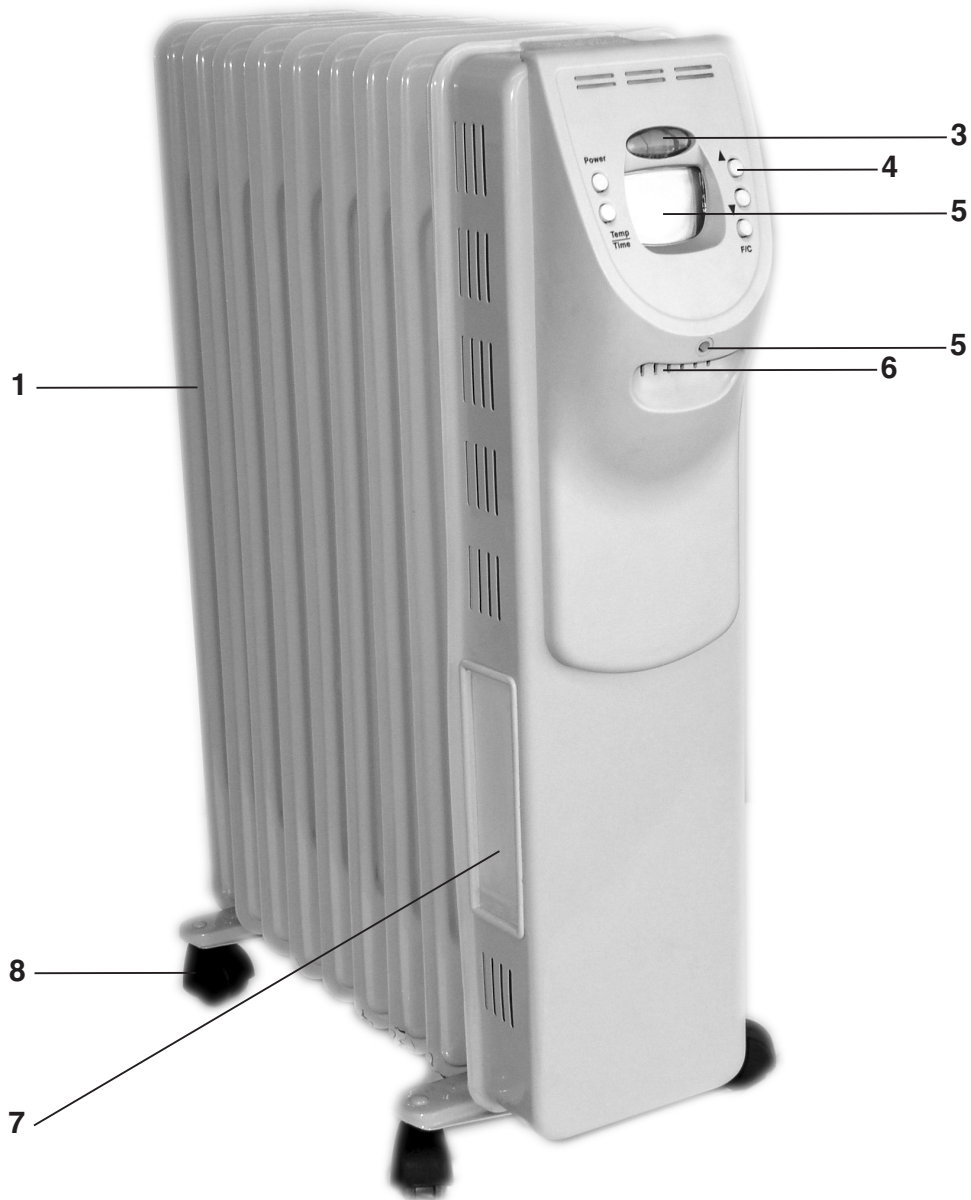
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**Read the complete operating manual with due care and keep it in a safe place.  
If you give the machine to any other person, hand over this operating manual as well!**

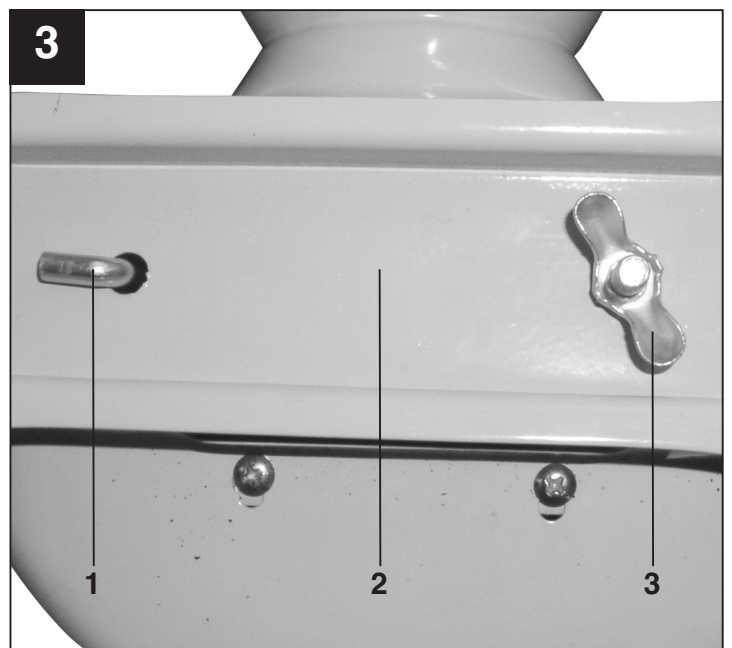
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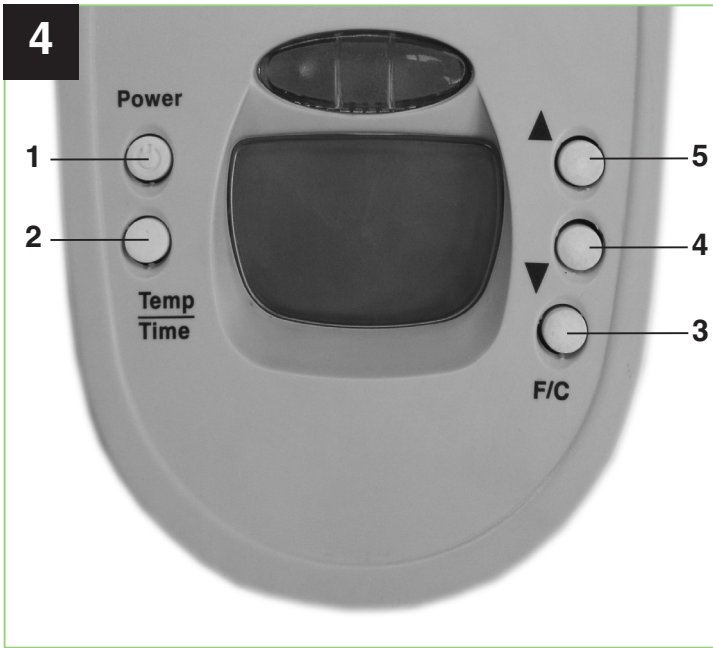
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**4**



Congratulations on choosing to buy a Delta® product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of Europe's leading manufacturers.

All products brought to you by Delta® are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 3 Year Warranty. Please fill in and return the Warranty Card to the address provided.

We hope you will enjoy using your purchase for many years to come.

Before you work with this oil filled radiator, carefully read the following safety regulations and the operating instructions.

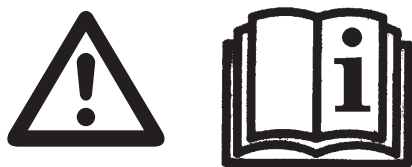
If you give the equipment to any other persons, give them the operating instructions as well.

**Keep these instructions in a safe place.**

### **Packaging:**

Your equipment is packaged to protect it from damage in transit. Packaging is raw material and can therefore be reused or returned to the raw material system.

## 1. Safety regulations



Please read the operating instructions carefully and observe the information provided. It is important to consult these instructions in order to acquaint yourself with the equipment, its proper use and safety regulations.

Keep the instruction manual in a safe place for later use.

- Read the operating instructions before using the appliance for the first time. The appliance may only be used as described. Any other use is not permitted.
- Keep the instructions in a safe place and give them to third parties if necessary.
- Check that the appliance has been delivered in perfect condition. If it has suffered any damage, do not connect the appliance to the power supply.

- Check the appliance, particularly the mains lead, for signs of damage every time before use. If you find signs of damage, contact your customer service.
- Place the mains cable so that there is no danger of tripping over the cable.
- Do not guide the mains cable over hot parts of the appliance during operation.
- Never use the mains cable to pull the power plug out of the socket-outlet! Never use the mains cable to carry the appliance or try to move the appliance by pulling the mains cable.
- Never jam the mains cable between objects, or pull the cable over sharp edges, or place the cable over hot plates or open flames.
- Not suitable for commercial purposes.
- Use the appliance in enclosed, dry areas only.
- **Never open the appliance or touch live parts – danger of fatal accident!**
- **Never immerse the appliance in water – danger of fatal accident!**
- Do not place the appliance near wet rooms or wet areas (bathroom, shower room, swimming pool, etc.). It must not be possible for the control elements to be touched by a person in a shower, a vessel filled with liquid or the bathtub.
- **Never use the appliance with wet hands.**
- The radiator may only be used in an upright position and with mounted guide rollers.
- **Do not cover the appliance and place no objects or clothing on or between the heating ribs. Under no circumstances are you to restrict the air circulation around the heating ribs through curtains, furniture or similar objects - fire hazard!**
- Connect the device to an earthed socket outlet only!
- If the radiator is damaged due to toppling or otherwise or if the power cable is damaged, contact an authorized professional or the customer service responsible for your country.
- Position the appliance in such a way that the mains plug is accessible at all times.
- If the appliance is not used for a lengthy period of time, disconnect it from the mains supply.
- Do not position the appliance directly below a socket.
- For supervised operation only.
- If the radiator topples, disconnect the mains plug from the supply, wait until it has cooled and then place it upright again.
- **Caution! The heating ribs become hot during operation.**
- Never position the appliance on deep pile carpets.
- Do not use the appliance in rooms in which inflammable materials (for example solvents,

etc.) or gases are used or stored.

- Keep highly inflammable substances and gases away from the appliance.
- Do not use in areas where there is a fire risk (for example wooden sheds).
- Only use the radiator with its mains lead fully extended.
- Maintain a minimum distance of 50 cm from objects, walls, etc.
- Not suitable for installation on permanently installed electrical cables.
- Important! Do not insert any foreign objects in the appliance's openings.  
- Danger of electric shock and damage to the appliance.
- Keep children and people on medication or under the influence of alcohol away from the appliance.
- Maintenance and repair work may only be carried out by authorized trained personnel.
- Important! Do not cover the appliance – fire risk! Pay attention to the symbol on the appliance.
- Do not use in bathroom or areas likely to be wet or damp.
- This heater is filled with a precise quantity of special oil. Repairs requiring opening of the oil container are only to be made by the manufacturer or his service agent who should be contacted if there is an oil leak.

## 2. Layout (Fig. 1)

- 1 Heating ribs
- 2 Control lamp
- 3 Indicator panel
- 4 LCD display
- 5 Temperature sensor
- 6 Recessed grip
- 7 Storage compartment for mains lead
- 8 Castors

## 3. Assembly

### 3.1 Fitting the castors (Fig. 2 – 3)

Important! To prevent damage, place the radiator upside down on a soft surface (for example a carpet).

Slide the fastening bar (1) under the radiator element, engage it in the mounting (2) and secure it with the wing nut (3). Repeat the above on the last space between the ribs.

## 4. Technical data:

Rated voltage:	230 V ~ 50 Hz
Output:	2000 W (1000 W/2000 W)
Thermostat control:	Electronic
Heating ribs:	9
Protection class:	I
Mains lead:	3 x 1 mm <sup>2</sup> x 1,7 m

## 5. Proper use

The appliance is designed only for private use, not for commercial heating purposes.

## 6. Starting up

Important! Before using the appliance for the first time, check that the voltage supply is the same as the voltage details set out on the data plate.

Read the safety instructions listed in section 1.

**Note!** The actual room temperature is not indicated correctly for the first 20 or so minutes after the heater is switched on.

**Note!** The electronic room temperature control will switch the heater on and off automatically to maintain the room temperature at an almost constant level. However, this presupposes that the radiator has sufficient output to cover the heating requirements for the room.

### 6.1 Function switch (Fig. 4)

Switch the device on and off with the red main switch.

Button 1: Switches the device on and off, switches on heat setting 1 or heat setting 2.

Button 2: Sets the desired room temperature, the switch OFF time and the switch ON time.

Button 3: Changes over from “°F” (degrees Fahrenheit) to “°C” (degrees Celsius).

Button 4: Decreases the desired room temperature, the switch OFF time and the switch ON time.

Button 5: Increases the desired room temperature, the switch OFF time and the switch ON time.

### 6.1.1 Continuous operation

- Press button 1 (Power) once when the appliance is off. The appliance switches on and runs in heat setting 2 (SS). The temperature displayed equals the room temperature measured by the appliance.
- Press button 1 a second time and the appliance switches to heat setting 1 (S); press it again and the appliances switches to "OFF".

**Note:** When the appliance is switched on it will run continuously until it is switched off again manually as previously described.

### 6.1.2 Switching on and off by the room temperature control

- Switch on the appliance as previously described.
- Press the button 2 until the "Thermometer" symbol flashes in LCD display.
- Set the desired room temperature with the button 4 or 5.
- The "Thermometer" then symbol with a steady light and the room temperature measured by the appliance is indicated.
- When the room temperature rises above the desired level, the appliance switches off the heater and the temperature indicator flashes. When the room temperature drops below the desired level, the heater switches on again. The temperature indicator shows the measured room temperature.

**Example:** with a desired room temperature of 21°C the appliance switches off at 22°C and on at 20°C.

### 6.1.3 Programming the switch OFF time

When the appliance is running (the control lamp is on) you can set a switch OFF time for the heater from 1h to 10h. The appliance then switches off automatically once the set time has elapsed.

**Note:** Set the desired room temperature as previously described in section 6.1.2. When the desired temperature is reached the appliance will switch off the heater, and when the temperature drops below the desired level it will switch the heater on again, even if the set OFF time has not yet elapsed.

- Press button 2 until "AUTO OFF" flashes in the LCD display.
- Set the desired switch OFF time with the button

4 or 5.

- "AUTO OFF" light will remain steady and the set OFF time is indicated. The appliance shows the time remaining up to the end of the set OFF time.

### 6.1.4 Programming the switch ON time

When the appliance is running (the control lamp is on) you can set a switch ON time for the heater from 1h to 10h. The heater then switches on when the set time has elapsed. If no switch OFF time was programmed yet (see 6.1.3) the appliance will switch off automatically after 10h. The heater can be switched off manually at any time with the button 1 (Power).

**Note:** Set the desired room temperature as previously described in section 6.1.2. When the desired temperature is reached the appliance will switch off the heater, and when the temperature drops below the desired level it will switch the heater on again.

- Press button 2 until "AUTO ON" flashes in the LCD display.
- Set the desired switch ON time with the button 4 or 5.
- "AUTO ON" then shines with a steady light and the set switch ON time is indicated. The appliance switches on the heater after the set switch ON time has elapsed.
- The display switches to "AUTO OFF" and "10 HR".
- The appliance switches off automatically after 10h.
- As long as the heater is running you can set the switch OFF time manually as described in section 6.1.3.

## 6.2 Programming examples

### 6.2.1 Automatic switch ON time

- Set the automatic switch OFF time "AUTO OFF" to 3 hours (see 6.1.3).
- Set the automatic switch ON time "AUTO ON" to 2 hours (see 6.1.4).

#### **Result:**

The appliance switches on the heater after 2 hours have elapsed and switches off after a further 3 hours in heating mode.

### 6.2.2 Automatic switch OFF time

Set the automatic switch OFF time "AUTO OFF" to 7 hours (see 6.1.3).

**Result:**

The appliance switches off after 7 hours have elapsed.

**6.2.3 Temperature indication in °C / °F**

Press button 3 (F/C) to select between degrees Celsius °C and degrees Fahrenheit °F for the temperature indication in the LCD display. Press button 3 repeatedly until the desired indication appears.

## 7. Storage

If the radiator is not used for a lengthy period of time, the mains lead must be stored in full in the compartment provided for it. The radiator has to be stored in a dry place, covered if possible.

## 8. Maintenance and cleaning

- Maintenance and repair work may only be carried out by an authorized electrical servicing contractor or the customer service responsible for your country.
- Check the mains lead at regular intervals for signs of defects or damage. A damaged mains lead may only be replaced by an electrician or the customer service responsible for your country in compliance with the relevant regulations.
- **Important:** Disconnect the mains lead before cleaning – danger of electric shock.
- Use a damp cloth to clean the casing.
- The ribs are filled with a special oil. Repairs that necessitate the oil seal to be opened may only be carried out by the customer service responsible for your country. If oil leaks from the appliance, return it to the customer service responsible for your country for examination.

## 9. Ordering spare parts

Please provide the following information on all orders for spare parts:

- Model/type of machine
- Article number of the machine
- ID number of the machine
- Number of the required spare part

For our latest prices and information please go to [www.isc-gmbh.info](http://www.isc-gmbh.info)

## 10. Waste disposal

Defective devices must be disposed of properly. Please contact the customer service center responsible for your country.

Accessories and packaging should be disposed of in an environment-friendly fashion, i.e. by taking them to a recycling depot. Plastic parts are coded for purposes of separation when recycling.



## WARRANTY CERTIFICATE

The product described in these instructions comes with a 3 year manufactures warranty covering defects. This 3-year manufactures warranty period begins with the passing of risk or when the customer receives the product.

For warranty claims to be accepted, the product has to receive the correct maintenance and be put to the proper use as described in the operating instructions.

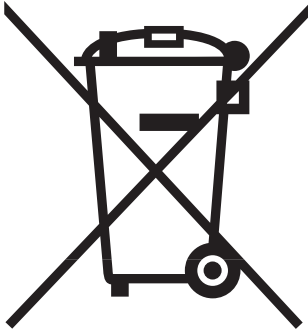
**Your statutory rights of warranty are naturally unaffected during these 3 years.**

This warranty applies in Germany, or in the respective country of the manufacturer's main regional sales partner, as a supplement to local regulations. Please note the details for contacting the customer service center responsible for your region or the service address listed below.

 Einhell UK Ltd  
Unit 5 Morpeth Wharf  
Twelve Quays  
Birkenhead, Wirral  
**CH 41 1LF**

Helpline-No.: GB      0151 649 1500  
                                 IRL      189 094 6244

Technical changes subject to change



For EU countries only

Never place any electric tools in your household refuse.

To comply with European Directive 2002/96/EC concerning old electric and electronic equipment and its implementation in national laws, old electric tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the demand to return electrical devices:

As an alternative to returning the electrical device, the owner is obliged to cooperate in ensuring that the device is properly recycled if ownership is relinquished. This can also be done by handing over the used device to a returns center, which will dispose of it in accordance with national commercial and industrial waste management legislation. This does not apply to the accessories and auxiliary equipment without any electrical components which are included with the used device.



# Konformitätserklärung

ISC-GmbH · Eschenstraße 6 · D-94405 Landau/Isar

**D** erklärt folgende Konformität gemäß EU-Richtlinie und Normen für Artikel  
**GB** declares conformity with the EU Directive and standards marked below for the article  
**F** déclare la conformité suivante selon la directive CE et les normes concernant l'article  
**NL** verklaart de volgende conformiteit in overeenstemming met de EU-richtlijn en normen voor het artikel  
**E** declara la siguiente conformidad a tenor de la directiva y normas de la UE para el artículo  
**P** declara a seguinte conformidade de acordo com a directiva CE e normas para o artigo  
**S** förklarar följande överensstämmelse enl. EU-direktiv och standarder för artikeln  
**FIN** ilmoittaa seuraavaa Euroopan unionin direktiivien ja normien mukaista yhdenmukaisuutta tuotteelle  
**N** erklærer herved følgende samsvar med EU-direktiv og standarder for artikkel  
**RUS** заявляет о соответствии товара следующим директивам и нормам ЕС  
**HR** izjavljuje sljedeću uskladenost s odredbama i normama EU za artikl.  
**RO** declară următoarea conformitate cu linia directoare CE și normele valabile pentru articolul.  
**TR** ürün ile ilgili olarak AB Yönetmelikleri ve Normları gereğince aşağıdaki uygunluk açıklama masını sunar.  
**GR** δηλώνει την ακόλουθη συμφωνία σύμφωνα με την Οδηγία ΕΕ και τα πρότυπα για το προϊόν


**I** dichiara la seguente conformità secondo la direttiva UE e le norme per l'articolo  
**DK** attesterer følgende overensstemmelse i henhold til EU-direktiv og standarder for produkt  
**CZ** prohlašuje následující shodu podle směrnic EU a norem pro výrobek.  
**H** a következő konformitást jelenti ki a termékek-re vonatkozó EU-irányvonalak és normák szerint  
**SLO** pojasnjuje sledečo skladnost po smernici EU in normah za artikel.  
**PL** deklaruje zgodność wymienionego poniżej artykułu z następującymi normami na podstawie dyrektywy WE.  
**SK** vydáva nasledujúce prehlásenie o zhode podľa smernice EU a noriem pre výrobok.  
**BG** декларира следното съответствие съгласно директивите и нормите на ЕС за продукта.  
**UKR** заявляє про відповідність згідно з Директивою ЄС та стандартами, чинними для даного товару  
**EE** deklareerib vastavuse järgnevale EL direktiivi dele ja normidele  
**LT** deklaruoja atitikti pagal ES direktyvas ir normas  
**RS** izjavljuje sledeći konformitet u skladu s odred bom EZ i normama za artikl  
**LV** Atbilstības sertifikāts apliecina zemāk minēto preču atbilstību ES direktīvām un standartiem  
**IS** Samræmisýfirlýsing staðfestir eftirfarandi samræmi samkvæmt reglum Evfrópubandalagsins og stöðlum fyrir vörur

## Ölradiator DOR 920 LCD

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**EN 60335-1; EN 60335-2-30; EN 50366; EN 55014-1;  
 EN 55014-2; EN 61000-3-2; EN 61000-3-3**

Landau/Isar, den 17.09.2007

  
 Weichselgartner  
 General-Manager

  
 Wong  
 Product-Management

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