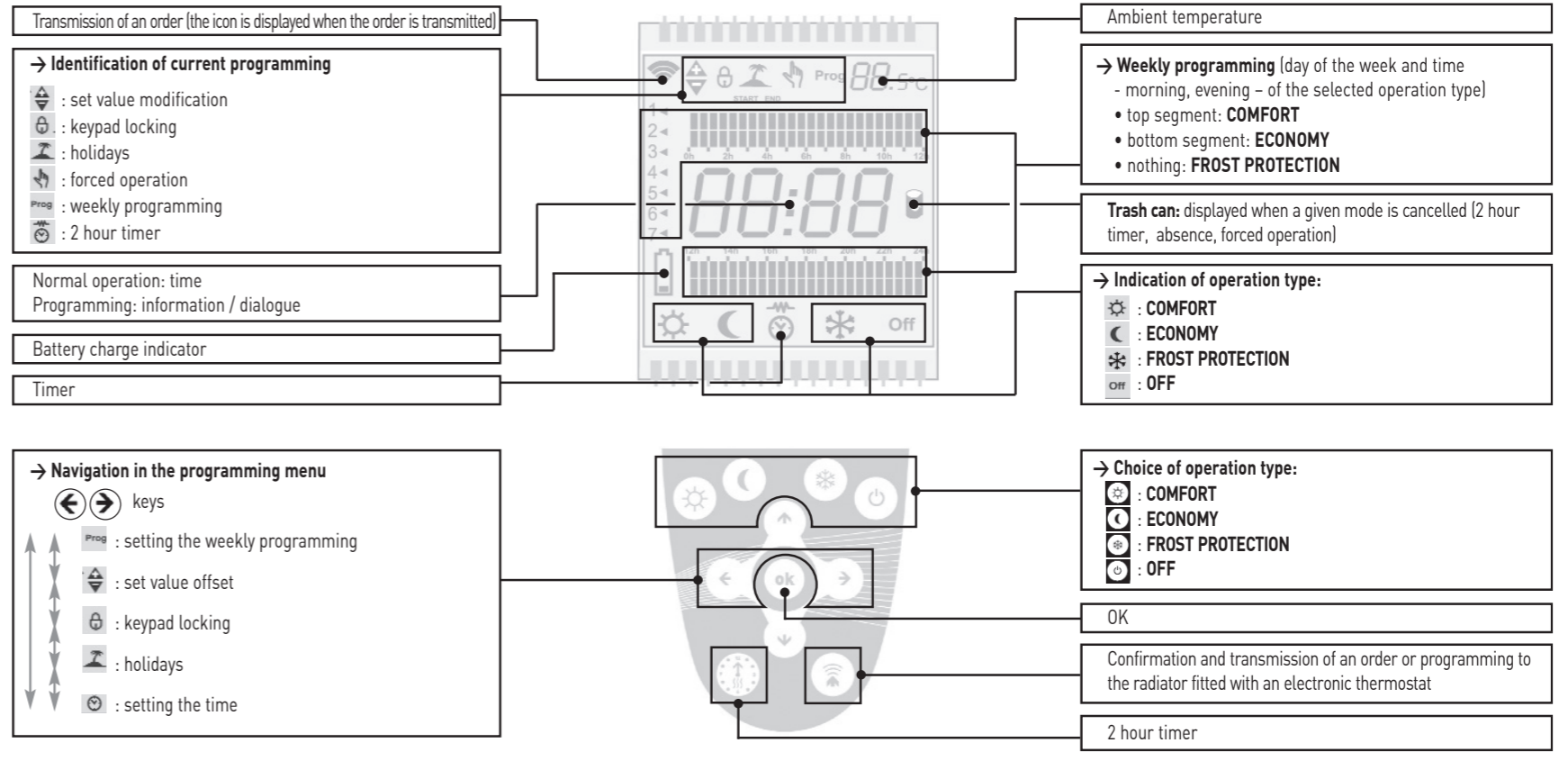


# 1

## INTRODUCTION

→ The Ducasa infrared programmer is designed to configure and control the programming of the ducasa Avant DGP and Vitro, electric radiators equipped with electronic thermostats. It transmits instructions using infrared technology (Line of site).

MODE	Functioning of the radiators
<b>Weekly programming</b>	<ul style="list-style-type: none"> <li>choice of 9 factory-defined programmes</li> <li>5 customer-defined programmes</li> <li>3 possible types of operation (<b>COMFORT</b>, <b>ECONOMY</b>, <b>FROST PROTECTION</b>)</li> <li>programming by 30 minute periods</li> </ul>
<b>Holidays</b>	An operation type is set ( <b>COMFORT</b> , <b>ECONOMY</b> , <b>FROST PROTECTION</b> , <b>OFF</b> ), from a given date and time to a given date and time, for a maximum of 1 year
<b>2 hour timer</b>	Sets maximum heating (no change on the set temperature)
<b>MANUAL OVERRIDE</b>	Sets a specific type of operation ( <b>COMFORT</b> , <b>ECONOMY</b> , <b>FROST PROTECTION</b> , <b>OFF</b> ), until the user cancels this setting on the Ducasa programmer to return to programme mode
<b>Set temperature modification</b>	Temperature is regulated around a set value chosen on the radiator thermostat + or - a value chosen on the programmer (-9°C to +9°C). The set value modification can be increased as many times as necessary (e.g.: 2 successive "set value modifications" produce a set value modified from -18°C to +18°C)
<b>Keypad locking</b>	Locks the control and configuration keypad until the user cancels this order on the TRD 100 programmer; the operation type remains the same



# 2

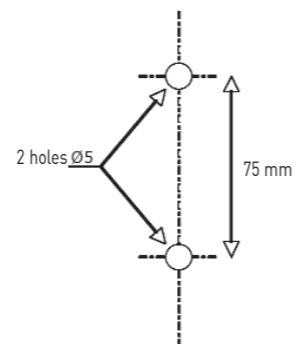
## TECHNICAL CHARACTERISTICS

- Power supply by 3 1.5 V AAA alkaline batteries (warning, do not use rechargeable batteries).
- To maximise battery operating time, the programmer goes into "sleep" mode (low consumption - LCD off) after two minutes of inactivity. The programmer "wakes up" when any keypad key is pressed.
- 179 segment LCD screen.
- Ambient temperature display.
- Battery charge indicator.
- Infrared transmission range roughly 10 metres.
- Class I insulation.
- Digital display.
- Storage temperature: -40°C to +85°C.
- Operating temperature: 0°C to +70°C.
- Dimensions (without wall support):  
W x H x D = 63 x 165 x 28 mm.
- Dimensions (with wall support):  
W x H x D = 67 x 166.5 x 32.3 mm.

# 3


## POSITIONING INSTALLATION

The Ducasa Remote does not require any physical connection to any of the heating appliances and other devices required for regulation (e.g.: temperature sensor). Its position does not affect the quality of regulation. It should simply be installed **in a convenient position for occupants of the dwelling, and the display screen at the front must always be visible**. The programmer is usually installed in the living room, hall or a central corridor.



# 4




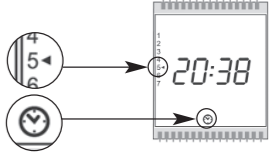





## BATTERY INSTALLATION (OR REPLACEMENT)

- Insertion**
- 1 - take the programmer out of its base
  - 2 - lift up the battery protection flap
  - 3 - insert the batteries, making sure they are the right way round (+ and -)
  - 4 - close the protection flap.
- Replacement**
- 1 - when the battery charge indicator shows , the batteries should be replaced as quickly as possible to prevent any damage (the warranty does not cover damages caused by leaking batteries)
  - 2 - take the programmer out of its base
  - 3 - lift up the battery protection flap
  - 4 - replace the batteries, making sure they are the right way round (+ and -)
  - 5 - close the protection flap

**IMPORTANT:**  
the programmer configuration information is memorised for 30 seconds when the power supply is cut. If battery replacement takes longer than 30 seconds, the date and time will be lost.

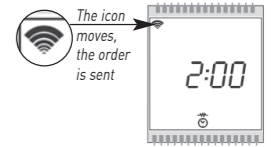

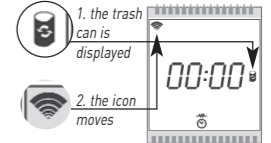



# 5

## SETTING THE TIME

Action	SCREEN														
1. Select the "time setting" menu  using the navigation keys  															
2.  to confirm; the time flashes. Press the   keys to modify;  to confirm															
3. Then set the minutes, year, month and day using the same method <b>HOUR → MINUTES → YEAR → MONTH → DAY</b>															
	<table border="1"> <thead> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>Monday</td> <td>Tuesday</td> <td>Wednesday</td> <td>Thursday</td> <td>Friday</td> <td>Saturday</td> <td>Sunday</td> </tr> </tbody> </table> <p>The left arrow  is used to return to the previous setting</p>	1	2	3	4	5	6	7	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2	3	4	5	6	7									
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday									

# 6

## 2H00 TIMER

Action	SCREEN
<b>Programming</b>	
1. Press (long press) the key 	
<b>Cancellation</b>	
1. Press (short press) the key  2.  to confirm; cancellation is transmitted, the icon  moves	

## 7 WEEKLY PROGRAMMING

Action	SCREEN
<p>1. Select the "weekly programming" menu  using the navigation keys  .</p> <p>The text "Prog", a programme n° and the day of the week are displayed, together with the segments of the corresponding 1/2 day that have already been programmed (morning 0h00 to 12h00 – afternoon 12h00 to 24h00). Programmes P1 to P9 are factory-defined and cannot be modified. Programmes U1 to U5 can be defined by the user by 30 minute period, using the 3 operation types (COMFORT, ECONOMY, FROST PROTECTION)</p> <p>2. Press the   keys to choose the programme you want</p> <p>3. Press  to confirm; the programme n° flashes</p> <p>→ If you choose programme P1 to P9:</p> <p>1. Use the navigation keys   to visualize the programming of each day of the week</p> <p>2. Press  to confirm; the programme n° stops flashing</p> <p>3. Press  to memorise the choice and send it to the radiator</p> <p>→ If you choose programme U1 to U5:</p> <p>1. Press  to confirm; the programme n° stops flashing. The time 0:00 flashes; day 1 is selected. If the programme has already been configured, the original configuration is displayed</p> <p>2. Choose the required operation type using the keys</p> <p> : COMFORT, top segment   : ECONOMY, bottom segment   : FROST PROTECTION, no segment.</p> <p>Repeat the operation for each 30 minute period</p> <p>3. To select the time periods in a given day use the   keys</p> <p>4. Press  to go to the next day and keep the settings defined for the previous day. At any time you can choose the day of the week without copying the settings using the following keys  </p> <p>5. Press  to save after the 7th day without transmitting the programme, or  to memorise the choice and send it immediately to the radiator; return to the home screen</p>	

## 8 REMOTE 'SET TEMPERATURE' MODIFICATION

Action	SCREEN
<p>1. Select the "set value offset" menu  using the navigation keys  .</p> <p>2. Press the   keys to enter the required temperature difference (from -9°C to +9°C)</p> <p>3. Press the  key to memorise the choice and send it to the radiator. The thermostat screen's backlighting flashes to indicate the order has taken effect</p> <p>This set value modification takes effect in any position (including OFF).</p>	<p>Ambient temperature measured by the TRD 100</p>

## 9 KEYPAD LOCKING

Action	SCREEN
<p>→ Insertion</p> <p>1. Select the "keypad locking" menu  using the navigation keys  .</p> <p>2. Press the  key to memorise the choice and send it to the radiator. The thermostat screen's backlighting flashes to indicate the order has taken effect</p> <p>→ Cancellation</p> <p>1. Select the "keypad locking" menu using the navigation keys  .</p> <p>2. Press the  key to memorise the choice and send it to the radiator. The thermostat screen's backlighting flashes to indicate the order has taken effect</p>	<p>The icon moves</p>

## 10 HOLIDAYS

Action	SCREEN
<p>→ Selecting the time and day when the absence begins</p> <p>1. Select the « holidays » menu  using the navigation keys  .</p> <p>2. Press  to confirm. The word START is displayed under the holiday icon , and the TIME flashes. Press the keys   to modify. Press  to confirm</p> <p>3. Then set the MONTH and the DAY in the same way. Use the left arrow  to return to the previous setting at any time</p> <p>4. The word END is displayed under the holiday icon </p>	
<p>→ Selecting the time and day when the absence ends</p> <p>1. Proceed in the same way and set the TIME → MONTH → DAY when the absence ends</p>	
<p>→ Selecting the operation type and transmitting it to the thermostat</p> <p>1. When the  key is pressed for the last time to confirm the day when the absence ends, the 4 operation type icons (COMFORT, ECONOMY, FROST PROTECTION and OFF) flash. Press the key corresponding to the required operation type</p> <p>2. Press the  key to memorise the choice and send it to the radiator. The thermostat screen's backlighting or led's of indication flashes to indicate the order has taken effect</p>	
<p>→ Cancellation</p> <p>1. Select the « holidays » menu using the navigation keys  .</p> <p>2. Press the  key to memorise the choice and send it to the radiator. The thermostat screen's backlighting or led's of indication flashes to indicate the order has taken effect</p>	

## 11 MANUAL OVERRIDE

Action	SCREEN
<p>→ Programming</p> <p>1. Press (long press) the key corresponding to the required operation type (COMFORT, ECONOMY, FROST PROTECTION, OFF):</p> <p> </p> <p>→ Cancellation</p> <p>1. Press (short press) any key (COMFORT, ECONOMY, FROST PROTECTION, OFF):</p> <p> </p> <p>2. Then press  to confirm. The cancellation is transmitted</p>	<p>The icon moves</p> <p>E.g.: setting an OFF order</p>

## 12 TROUBLE-SHOOTING / SOLUTIONS

Symptom	Solution
No display	Check the battery polarisations; replace them if necessary
No infrared transmission	Check the logo is moving. Move closer to the radiator
Time lost	Check the battery positions

### Guarantee

Your appliance is guaranteed for two years from the date of purchase – during this period we will repair or exchange, at our discretion, any faulty or defective parts providing the appliance has been used in accordance with the operating & installation instructions and has not been misused or mistreated in any way. Any unauthorised repair or attempted repair will invalidate the guarantee. This guarantee is additional to your statutory rights. In the unlikely event of a problem with your appliance please contact your supplier.



Venezuela 33. 08019 Barcelona

UK Distributor of Ducasa Products:  
 Heattend Products Ltd  
 Web: www.heattend.co.uk  
 Email: enquiries@heattend.co.uk

Installed by:

(stamp or name and address)

## GB ducasa

Ducasa Digital Programmer  
 Ducasa Remote TRD100

Instructions for  
 Operation and Programming



**PRELIMINARY ADVICE**  
 Please read these instructions carefully and retain for further reference. The installation of the heater must be carried out by a competent installer with accredited qualifications in the regulations of Low Voltage and Heating, Air Conditioning and Hot Water Plumbing. The installation must conform to the regulations aforementioned. Any claim will be invalid if current regulations have not been taken into account.