1 DESCRIPTION
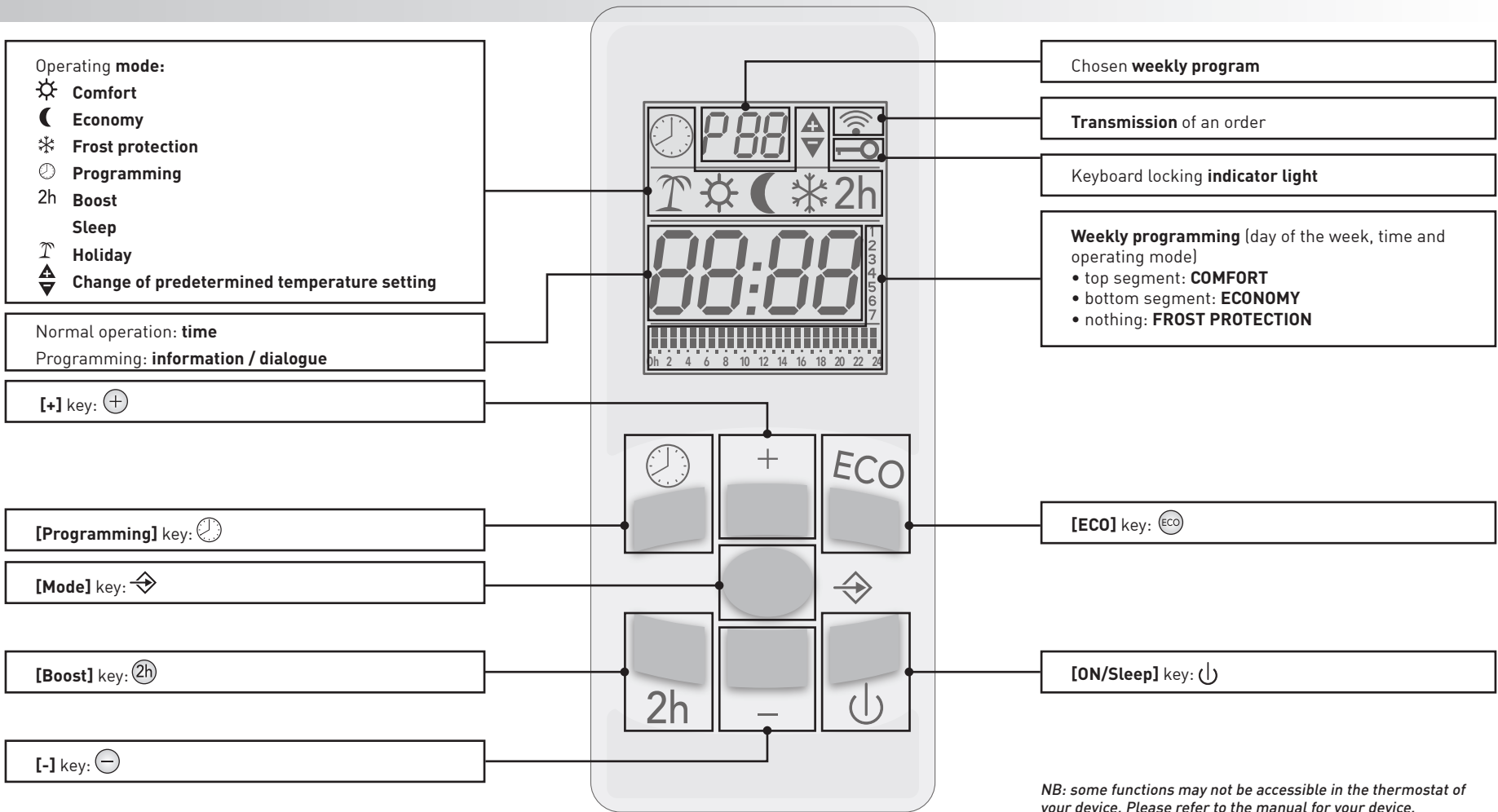
The TRD300 is an infrared remote control device designed **to configure and control the operating power level of RCW electric radiators.** Of modern, elegant design, it has a good-sized display which informs the user of all the enabled functions, such as the predetermined temperature setting, date and time. User-friendly, with its 7-key keyboard, it **offers easy access to all operating modes** (the ⊙ ECO key, for example, allows rapid activation of the ECONOMY mode). It is delivered with a wall mounting kit.

A double infrared transmitter allows the user to control the radiator(s) without having to remove the remote control device from its wall mounting

• **7 operating modes:**

MODES	Radiator operation
COMFORT	Regulation to predetermined temperature setting.
ECONOMY	Regulation to a predetermined temperature setting. When switching from COMFORT mode to ECONOMY mode, the set-point value is automatically reduced by 3.5°C (and vice versa: switching from ECONOMY mode to COMFORT mode automatically increases the set-point value by 3.5°C). It is recommended to use this operating mode at night or if the room is not occupied for a period of 2 hours or longer.
FROST PROTECTION	Regulation to predetermined FROST PROTECTION temperature setting set on each of the radiators (refer to the manual for the radiator(s)).
PROGRAMMING	• Choice of 9 predetermined factory programs (P1 to P9) • 5 customizable weekly programs (U1 to U5). • The predetermined temperature settings COMFORT and ECONOMY are configured on the radiator(s).
BOOST	Override control for maximum heating (no set-point value regulation) for 2 hours.
SLEEP	Regulation controlled directly by the radiators' thermostat(s). The remote control device is disabled.
HOLIDAY	Override setting of a specified power level (COMFORT, ECONOMY, FROST PROTECTION, OFF), until a given date and time, starting from a given date and time and for a period of at most 1 year.

• **Permanent display of the time** and **the mode activated.**
• The thermostat's keyboard **can be locked** to prevent any unintentional change to the settings. In that case all the thermostat's keys are disabled.

Operating **mode:**
☼ **Comfort**
☾ **Economy**
❋ **Frost protection**
⊙ **Programming**
2h **Boost**
    Sleep
⊤ **Holiday**
⇅ **Change of predetermined temperature setting**

Normal operation: **time**
Programming: **information / dialogue**

[+] key: ⊕

[Programming] key: ⊙

[Mode] key: ⬦

[Boost] key: 2h

[−] key: ⊖

Chosen **weekly program**

Transmission of an order

Keyboard locking **indicator light**

Weekly programming (day of the week, time and operating mode)
• top segment: **COMFORT**
• bottom segment: **ECONOMY**
• nothing: **FROST PROTECTION**

[ECO] key: ECO

[ON/Sleep] key: ⏻

NB: some functions may not be accessible in the thermostat of your device. Please refer to the manual for your device.


---

2 CHARACTERISTICS

• White colour.
• LCD screen.
• 7-key keyboard.
• Temperature settings: digital.
• Mode settings: digital.
• 7 operating modes.
• Keyboard lock.
• Temperature range: 7°C / 32°C (± 0.5°C).
• Operating temperature: -10°C / +40°C.
• Power supply by 2 alkaline batteries, 1.5 V, AAA type (warning: no rechargeable batteries).
• Battery wear indicator light.
• Double infrared transmitter.
• Dimensions (with wall mounting) (L x H x D): 42 x 100 x 27 mm.
• Special wall mounting provided.

---

3 MOUNTING

The TRD 300 programmer requires no physical connection to any heating equipment or other items required for regulation (e.g. temperature sensor).

Its location has no influence on the quality of regulation. It must therefore simply be installed in a place accessible to the occupants of the home, in such a way that the monitor screen on the front panel is always left visible.

The places most commonly preferred are the living-room, the entrance or a central corridor.
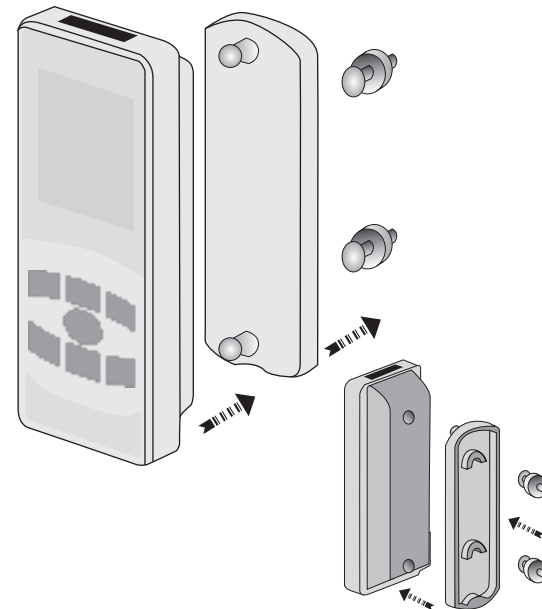

4 INSTALLING THE BATTERIES - DATE AND TIME SETTING

Setup
1. Remove the programmer from its base.
2. Raise the protective cover on the battery slot.
3. Insert the batteries, taking care to observe the polarities (+ and -).
4. Close the protective cover again.

Replacement
1. When the BATT message is displayed on screen, it is recommended to replace the batteries rapidly to avoid any possible battery damage (the guarantee does not cover damage due to battery leakage).
2. Remove the programmer from its base.
3. Raise the protective cover on the battery slot.
4. Replace the batteries, taking care to observe the polarities (+ and -).
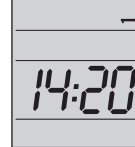5. Close the protective cover again.

NB: The programmer setting information is stored for about 30 seconds with no power supply. If this replacement operation were to take longer, the date and time would be lost.
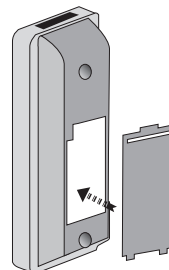

Time and date setting
The time and day of the week flash. **Press the** ⬦ **key** on the remote control. The flashing numbers indicate **the time. Press the** ⊕ **and** ⊖ **keys** to adjust and **press the** ⬦ **key to confirm.**
The flashing numbers then indicate **the minutes.** Proceed in the same way as for the time; then likewise to set **the year, the month** and **the day.**

---

5 THERMOSTAT KEYBOARD LOCKING/UNLOCKING

| Action	SCREEN
Locking: simultaneously press the ⬦ **and** ⊕ **keys** on the remote control for 3 seconds until the ⊶O icon is displayed on the screen. **Unlocking: simultaneously press the** ⬦ **and** ⊕ **keys** on the remote control for 3 seconds until the ⊶O icon disappears from the screen.	14:20

---

6 TURNING ON – SLEEP

This operation enables (ON) or disables (Sleep) the TRD 300 remote control.

Action	SCREEN
Press the ⏻ **key** on the remote control or the thermostat to turn on the device or place it in Sleep mode.	**ON**: the screen displays the predetermined temperature setting, mode and time. Example: **Friday - 14:20 - (COMFORT) mode** 14:20 **Sleep**: the screen displays the time and day of the week

7 COMFORT MODE

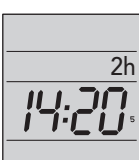| Action	SCREEN
Press the ⟨⟩ **key** on the remote control until the ☼ icon is displayed on the screen. The signal is transmitted to the thermostat(s) on the radiator(s) one second later.	☼ 14:20s

## 8 ECONOMY MODE

Action	SCREEN
Press the ⟨⟩ **key** on the remote control until the ☾ icon is displayed on the screen or **directly press the** [eco] **key**. The signal is transmitted to the thermostat(s) on the radiator(s) one second later.	☾ 14:20s

9 FROST PROTECTION MODE

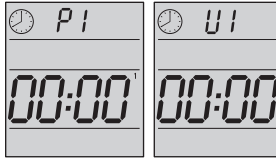| Action	SCREEN
Press the ⟨⟩ **key** on the remote control until the ❄ icon is displayed on the screen. The signal is transmitted to the thermostat(s) on the radiator(s) one second later.	❄ 14:20s

11 BOOST MODE

Action	SCREEN
Press directly on the [2h] **key**. The signal is transmitted to the thermostat(s) on the radiator(s) one second later. **Cancellation** **Press the** [2h] **key** again. The symbol disappears from the screen. The signal is transmitted to the thermostat(s) on the radiator(s) one second later.	2h 14:20s
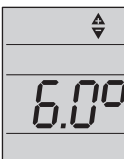
12 HOLIDAY MODE

Action	SCREEN
Define **the day and time at which the absence starts** 1. **Press the** ⟨⟩ **key** on the remote control until the 🛈 icon is displayed on the screen. 2. **Use the** ⊕ **key** to confirm; **the St indication appears**; the TIME flashes. **Press the** ⊕ **and** ⊖ **keys** to modify and **the** ⟨⟩ **key** to confirm. 3. **In the same way, set the MONTH and then the DAY**; the ⊖ key can be used at any time to return to the previous setting. 4. **The En indication appears**.	St 🛈 00:00 En 🛈 00:00

Define **the day and time at which the absence ends**
Proceed in the same way. Set the TIME, the MONTH and then the DAY of the date on which the absence ends.

Select **the chosen operating mode (COMFORT** ☼ **, ECONOMY** ☾ **, FROST PROTECTION** ❄ **)** by **pressing the** ⟨⟩ **key.**
The signal is transmitted to the thermostat(s) on the radiator(s) one second later.

Cancellation
1. **Press the** ⟨⟩ **key** on the remote control until the 🛈 icon is displayed on the screen.
2. **Use the** ⊕ **key** to confirm.
3. **Press the** ⟨⟩ **key** to scroll the parameters until the 4 operating icons appear (COMFORT, ECONOMY, FROST PROTECTION, SLEEP).
  Press the ⊕ **key** to confirm. The screen backlighting and/or the thermostat's signalling LED flashes to indicate that the cancellation has been accepted.

10 WEEKLY PROGRAMMING MODE

Action	SCREEN
Press the ⟨⟩ **key** until P1 or U1 is displayed. **Press the** ⊕ or ⊖ **keys to select the desired program.** The signal is transmitted to the thermostat(s) on the radiator(s) one second later.	⏱ P1 00:00¹ ⏱ U1 00:00¹
Press the ⏱ **key** to initiate the programming procedure.	

Time and date setting
The time and day of the week flash.
Press the ⟨⟩ **key** on the remote control.
 	
1. The flashing numbers indicate **the time**.
  Press the ⊕ **and** ⊖ **keys** to adjust and **press the** ⟨⟩ **key** to confirm.
2. The flashing numbers indicate **the minutes**.
  Press the ⊕ **and** ⊖ **keys** to adjust and **press the** ⟨⟩ **key** to confirm.
3. The flashing numbers indicate **the year**.
  Press the ⊕ **and** ⊖ **keys** to adjust and **press the** ⟨⟩ **key** to confirm.
4. The flashing numbers indicate **the month**.
  Press the ⊕ **and** ⊖ **keys** to adjust and **press the** ⟨⟩ **key** to confirm.
5. The flashing numbers indicate **the day**.
  Press the ⊕ **and** ⊖ **keys** to adjust and **press the** ⟨⟩ **key** to confirm.
	⏱
	14:20¹
	
	⏱
	20 20¹
	
	⏱
	14:20s

Choice and customization of weekly programming *The name of the program flashes.* **Press the** ⊕ **and** ⊖ **keys** to choose the desired weekly program [U1,...,U5]. **Press the** ⟨⟩ **key** to confirm.	Example: **Choice of program U1** ⏱ U1 ☾ 00:00s
The program day of the week flashes. **Press the** ⊕ **and** ⊖ **keys** to choose the day of the week to configure. **Press the** ⟨⟩ **key** to confirm.	Example: **Choice of day 5** ⏱ U1 ☾ 00:00s

The first time slot from 12h (midnight) to 1h flashes, as well as the operating mode (COMFORT ☼*, ECONOMY* ☾*, FROST PROTECTION* ❄*)*.
1. **Press the** ⊕ **key** to choose the operating mode *(COMFORT, ECONOMY, FROST PROTECTION)*.
2. **Press the** ⊖ **key** to go to the next time slot.
  NB: the mode (COMFORT, ECONOMY, FROST PROTECTION) selected for the previous time slot is entered by default.
  Press the ⊕ **key** pto change this mode or **press the** ⊖ **key** to go to the next time slot.
Repeat the operation as often as necessary to choose the mode wanted for each time slot.
Press the ⟨⟩ **key** at any time **to go to the next day**.
Press the ⟨⟩ **key** at any time to leave the weekly program configuration. The program returns automatically to the operating mode enabled previously.
	Example: **Choice of day 5**
	a. mode ☼
	b. mode ☾
	c. mode ❄
	
	a ⏱ U1 ☼ 00:00s
	b ⏱ U1 ☾ 00:00s
	c ⏱ U1 ❄ 00:00s

13 MODIFICATION OF PREDETERMINED TEMPERATURE SETTINGS BY REMOTE CONTROL

Action	SCREEN
1. **Press the** ⟨⟩ **key** on the remote control until the ⇅ icon is displayed on the screen. 2. **Press the** ⊕ **and** ⊖ **keys** to enter the desired temperature deviation (from -9°C to +9°C). 3. **The signal is transmitted** to the thermostat(s) on the radiator(s) one second later; the backlighting of the thermostat screen(s) flashes to indicate that the order has been accepted.	Example: **+6° C** ⇅ 6.0º

This change of set-point value is accepted in any of the positions (including OFF).

14 WARRANTY & END OF LIFE

Two years from the delivery date. This guarantee applies within the framework of the general terms of sale of Marsan Industrial, S.A. To benefit from it, it is necessary to provide proof of purchase on which the buying date must be shown.
It covers the replacement of defective parts.
The guarantee excludes:
• equipment on which the serial number has been damaged, modified or erased;
• equipment for which connection or use has not been performed in accordance with the instructions appearing on the device or in the manual;
• equipment that has been modified or dismounted without the manufacturer's prior agreement;
• equipment that has apparently been damaged by shocks.

Any repair performed by unauthorized personnel will cancel the guarantee.

This product must not be discarded with household waste. It must be disposed of at appropriate collection points. In the case of replacement, it must be returned to the distributor. This end-of-life treatment of the product helps protect the environment and reduce consumption of natural resources. This symbol applied to this product indicates that it must be returned to an appropriate collection centre for disposal in accordance with the 2002/96/EC Directive (WEEE).

TRD 300

Infrared remote control device for Haverland RCW electric radiators.

HAVERLAND