Instamat

eco DESIGN

CE

Manual thermostat EL.BEDIENING.11, -.12 en -.13

Technical specifications	
Product	Digital clock thermostat
Application	(Towel) Radiators
Version	Class II
IP code	IP44
Display	Temperature, date/time, mode/functions, indication heating activity, key lock.
Functions / Modes	Comfort, Night, Antifreeze, Stand-by, Fil-Pilote, Timer-2h, Chrono-thermostat, Open Window Detection.
Selectable range	+7°C / +32°C
Operational temp.	-10°C / +40°C
Maximal power	1500 Watt
Supply voltage	230 V / 50 Hz
Size	71 x 97,5 x 47 mm (LxHxD)
Connection	Faston 6.3x0.8mm, phase, neutral
Sensor	10K Ohm, type NTC
Warranty	2 years
Standard	Eco-design Directive for Energy-using Products, 2009/125/EC (<0,5W) EN 55014-2:1997 + A1:2001 + IS1:2007 + A2:2008 => Cat. 2 EN 55014-1:2006 + A1:2009 + A2:2011 EN 61000-3-2:2014 EN 61000-3-3:201 EN 62233:2008
Approval mark	CE

WARNING: This manual is an addition to the instructions of Instamat Warmtetechniek BV. Please read the manual carefully before use and keep this for future reference.
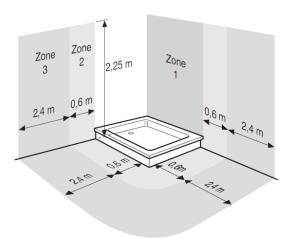
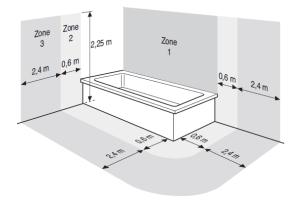## DISCONNECT POWER SUPPLY BEFORE PROCEEDING WITH INSTALLATION!

- The thermostat is designed for heating the liquid contained inside a towel radiator in combination with a heating element. Any other use is forbidden.

- Before use, carefully ensure that the line voltage is the same as specified for the thermostat (see technical specs).

- In case of damage of the power supply shut down the thermostat.

- The thermostat and heating element should only be installed /replaced by a proper installer.

- Children aged under 8 years old and people with reduced physical, sensory or mental abilities, can use the device only under supervision.

- Ensure that the mounting and installation adhere to local legal requirements.

- The heating element must always be completely submerged in liquid. This is to prevent burnout/short circuit.
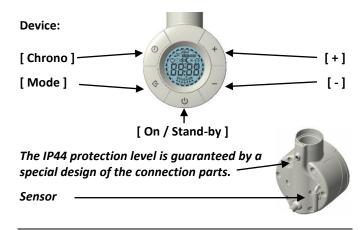
☑   ☒

Zones

- When installed in a sanitary room, respect all local safety directives and guidelines. Mounting inside zone 1 or 2 is dangerous! Avoid the danger by installing in zone 3 or beyond.

- In case of a walk-in shower, an extended zone 1 applies.

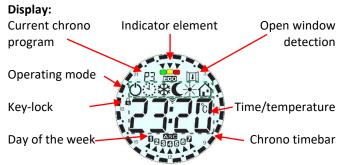- Prevent any moisture from coming into contact with the radiator, thermostat and connection point.

Disposal: This product may NOT be treated as ordinary household waste. It has to be disposed of at proper waste collection sites.

Device:

[Chrono]

[Mode]

[+]

[-]

[On / Stand-by]

The IP44 protection level is guaranteed by a special design of the connection parts.

Sensor

Display:

Current chrono program

Indicator element

Open window detection

Operating mode

Key-lock

Time/temperature

Day of the week

Chrono timebar

Open window detection & ASC

The open window function enables detecting a sudden decrease of the temperature. In such a case, the device deactivates the heating element for a maximum of 30 minutes.

ASC works in chrono-mode. It anticipates the switch-on time before schedule in order to increase comfort and reduce overall power consumption.

Setting open window detection and ASC:

- Enter into 'Stand-by' mode and press ⏲ for 3 seconds until the message '**tEd**' is displayed. Press **[+]** till it says '**Fun**' and confirm with ⇦.
- You can now choose to turn the open window detection on/off with the **[+]** / **[-]** keys and confirm with ⇦.
- Now you have to choose to turn on/off the ASC function with the **[+] / [-]** and press ⇦ to confirm.

Setting day and time:

- Enter into 'Stand-by' mode and press ⏲ for 3 seconds until the message '**tEd**' is displayed and press ⇦ to start.
- The blinking arrow indicates the day. Select the current day with the **[+]/[-]** and press ⇦ to confirm.
- Now the current hour can be set with the **[+]/[-]** and confirmed by pressing ⇦.
- Minutes: same procedure and confirm with ⇦.
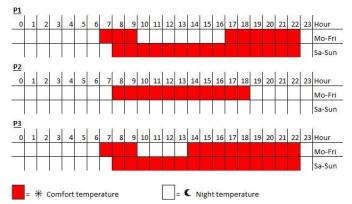- At the end of the procedure the thermostat returns into 'Stand-by'.

Setting temperature levels (comfort and night):

- Press ⏻ to turn on the device and press ⇦ repeatedly until the display shows ☀ to set the temperature of comfort. Set the desired value through **[+]/[-]**.
- Press ⏻ to turn on the device and press ⇦ repeatedly until the display shows ☾ to set the temperature of night. Set the desired value through **[+]/[-]**.

IMPORTANT: The temperature of 'night' mode must be below the 'comfort' mode temperature.

Chrono mode (weekly program)

There are 4 different programs you can choose from and the first 3 (P1*, P2* and P3*) are preset. P4* can be individually programmed. These are the preset programs;

P1

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Hour |

Mo-Fri

Sa-Sun

P2

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Hour |

Mo-Fri

Sa-Sun

P3

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Hour |

Mo-Fri

Sa-Sun

■ = ☀ Comfort temperature   □ = ☾ Night temperature

*) To switch among programs (P1-P4), press ⏲ while in chrono mode.

Programming P4 (own weekly program):

- Enter into 'Stand-by' mode and press ⏲ for 3 seconds until '**tEd**' is displayed. Press **[+]** till it says '**Pro9**' and press ⇦ to confirm.
- Now a time sequence can be defined. For each hour of the day, it is possible to assign either the 'comfort' (full bar displayed) by pressing **[+]** or the 'night' (empty bar) by pressing **[-]**. Press ⇦ to confirm the set day and repeat for the remaining days.
- After confirming Sunday (7) a double beep will confirm your program and you will return into 'Stand-by' mode.

Operating modes:

- Press ⏻ to turn on the device (or to enter 'stand-by' mode) and press ⇦ to select the desired mode;

Icon	Mode
⏻	Stand-by
☀	The "Comfort" stably maintains the room temperature to a selected value.
☾	The "Night" mode sets a value of temperature below the "Comfort" temperature value.
❄	In "Antifreeze" mode the temperature is fixed to 7°C. The device activates the heating element when the room temperature falls below 7°C.
2h	In "Timer 2h" the device is activated at the maximum power for 2 hours, up to a maximum room temperature of 32°C.
⏲	The chrono mode runs the weekly program P1, P2, P3 or P4 (preset by the user). **To switch among programs (P1-P4), press ⏲ .**
⌂	In "Fil-Pilot" mode the device is managed by a central control system that sets the operating mode for all the connected devices (France).

Key lock

Press ⇦ for 3 seconds to (un)lock all butons except ⏻. The 🔒 appears on the display.