

Displays

Control unit IRVAR 20:

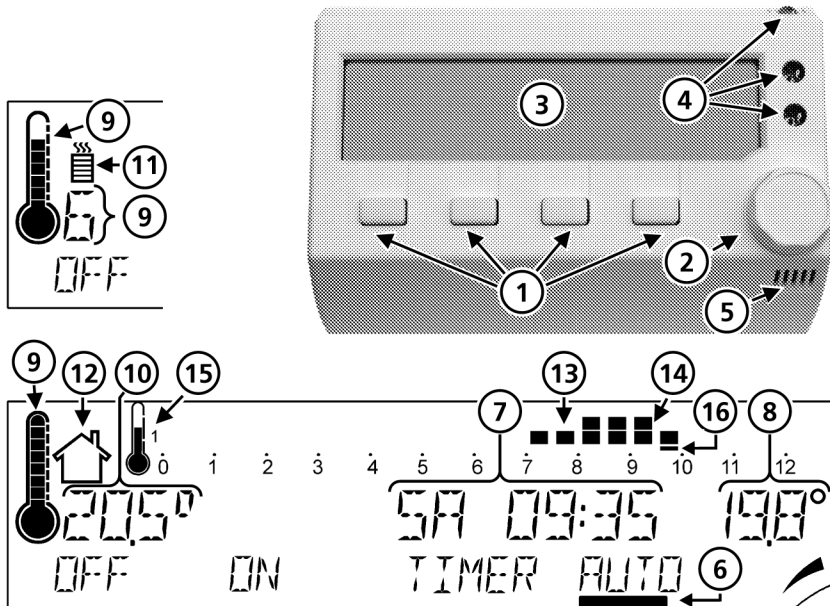
The display shows, numerically and graphically, the information like type of operation, the actual room temperature (right), day of the week and the actual time, the adjusted temperature (left), timer and weekly programme and other information.

Flashing display (day of the week, hours, minutes, temperature, etc.), be it text or symbol, can be modified or selected with the help of the rotating knob.

The selected type of operation OFF, ON, TIMER or AUTO are underlined.

After the adjustment of the settings, as the key **EXIT** is pressed the unit reverts back to its previous type of operation.

A brief display of the symbol «») indicates the transmission of the Infra-red (IR) control signals.



- 1 Keys
- 2 Rotating knob
- 3 Display
- 4 Infrared emitter
- 5 Measurement of room temperature

- 6 Selected type of operation
- 7 Day of the week and time
- 8 Actual room temperature
- 9 Steps of radiator temperature
- 10 Pre-selected room temperature
- 11 Radiator temperature control
- 12 Room temperature control
- 13 T1 (lower temperature)
- 14 T2 (higher temperature)
- 15 Programmed temperature (OFF, T1, T2)
- 16 Cursor

Immersion heater IRVAR:

One red lamp (LED) indicates that the heating and controlling is in operation.

Continuous flashing (2x per second) indicates a malfunction (as for example too little or no liquid in the Towel Radiator). At the same time, the heating is discontinued till the cause of the malfunction is rectified and the immersion heater is temporarily disconnected from the supply for a short period.

Technical specification

Control unit IRVAR 20:

Setting range of the temperature of the Towel Radiator	Steps 1 ... 8 (approx. +35 ... +70 °C or +95 ... +158 °F)
Setting range of room temperature	+4 ... +30 °C or +39 ... +86 °F
Precision of the measurement of the room temperature	±0.5 °C or ±1 °F
Precision of the digital clock	±5 minutes per year
Weekly program	672 memories
Shortest switching interval	30 minute
Count-down timer (automatic switching off)	0:15 ... 09:45 hours
Batteries	4 x 1.5 Volt (AA, LR6)
Life of the batteries	3 ... 5 years (depending on the use and capacity)

Immersion heater IRVAR:

Supply voltage	120 V, 50/60 Hz
Nominal rating	300, 450 or 600 W
Degree of protection	IP 65

Important notes:

- Electrical installation must be carried out in accordance with the local safety regulations. Access to the plug must be assured at all times.
- Towel Radiators with built-in immersion heaters to be used in central heating systems must always be filled completely with water and vented. The expansion of water volume to the expansion tank must always be assured (do not block the return connection).
- For Towel Radiators designed for only electrical operation, the defined liquid volume may not be changed.
- Periodically, an automatic test (duration about 2 minutes) of the functions is carried out as the immersion heater is switched on. During this period all commands are ignored.
- Continuous flashing (2x per second) indicates a malfunction (as for example too little or no liquid in the Towel Radiator). At the same time, the heating is discontinued till the cause of the malfunction is rectified and the immersion heater is temporarily disconnected from the supply for a short period.
- Should a malfunction occur, the following actions are suggested: Interrupt the supply voltage temporarily (pull out the plug or switch off the automatic fuse, etc.). Replace the batteries of the control unit.
- The control unit should only be cleaned with a soft, damp cloth.

