









## FUNCTION MODES DESCRIPTION


Use the joystick  to change the mode   **Auto**   **P**


### **TIMER Mode**

Press the joystick  to enter in the TIMER mode.  
Use the joystick  to make blink the duration or the temperature.

When the value is blinking use the joystick  to adjust:

- The duration with duration in hours « **Hour** » when it's less than 24 h or in days « **day** ».
- The desired temperature for this duration (adjustable between 5 and 37°C)

To valid your adjustments press the joystick .

To leave the TIMER mode before the end duration, press the  key.

### **COMFORT Mode**

Use this function to set your installation in comfort mode.

Use the joystick  to adjust the setting temperature. (Default setting 20°C)

### **Auto** **AUTO Mode**


The thermostat follows the chosen program in accordance with the actual hour.

By using the joystick , you can adapt the temperature until the next change within the program.



The symbol  is displayed.


### **REDUCED Mode**


Use this function to set your installation in comfort mode.

Use the joystick  to adjust the setting temperature. (Default setting 18°C)

### **CLOCK ADJUSTEMENT Mode**


Press the joystick  => The first value which must be adjusted will be blink, adjust the value with the joystick .


Validate your adjustment by pressing on the joystick .


You could choose directly the value which must be adjusted with the joystick .

When you have finished press the joystick  to validate all your adjustments.

### **P** **PROGRAM Mode**

Press the joystick  => The number of the current program blinks.







You can choose a program now by using the joystick .

By pressing the joystick  key, you can display the program either a built-in program (**P1** to **P5**) or you can create or modify a user's program (**U1** and **U2**). See the following section. For a built-in program (**P1** to **P5**) the program operates between the temperatures « **comfort** » and « **reduced** ».

#### Built-in programs descriptions.

**P1:** Morning, evening & weekend      **P3:** 7h - 19h (office)) Evening & weekend      **P5:** 8h - 19h, Saturday (Shop)  
**P2:** Morning, noon, evening & weekend      **P4:** Week-end (Secondary House)


### **Keyboard lock and unlock function**

In **Auto**, , ,  modes only. To lock the key board, maintains the joystick  pressed and press the  key at the same time, then the symbol «  » appears.

To unlock the key board repeat this procedure, (the symbol «  » will disappear)

### **Error codes**











Error on the External (Floor) sensor => **Err** and  are blinks.


Error on the internal sensor => **Err** and  are blinks.

Note: By safety if there is a sensor default the regulation is replaced by a rate of 5 % functioning.

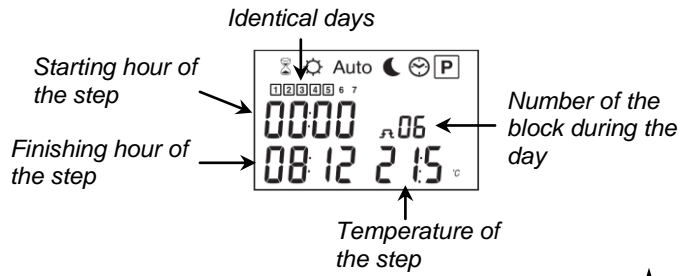
## INSTALLATION MENU

Your thermostat has one advanced menu.

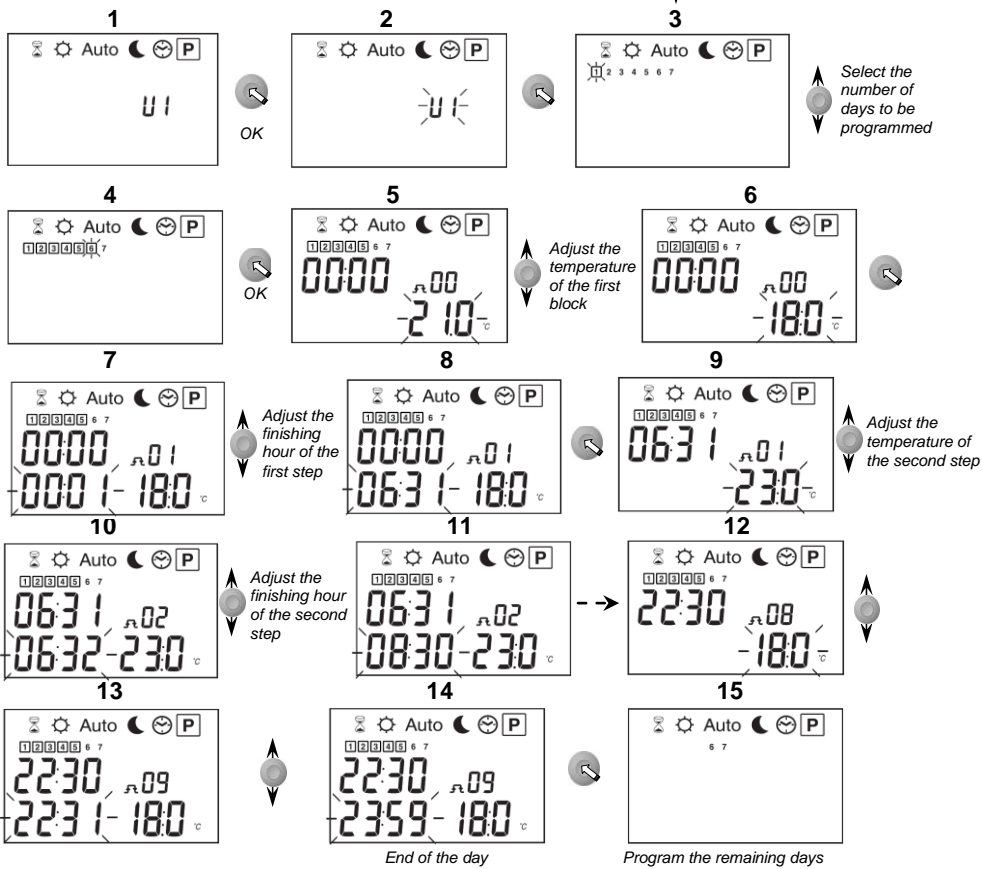
1. In order to enter in this menu, use the joystick , and select the Timer mode   **Auto** 
2. Then maintain the joystick  on the left direction during 5 seconds.
3. The first parameter must be appears « **N°01 SenS** »
4. Use the joystick to  to choose the parameter which needs to be adjusted.
5. Once the parameter chosen, press on the joystick , the value must be blink. You can now adjust the value with the joystick . To valid your adjustment press the once again on the joystick .
6. To exit the parameter menu, go to the parameter « **N°09 End** » and press the joystick .

number	name	Parameter description	Factory setting	Other possibilities
01	<b>SEnS</b>	Selection of the sensor used for the regulation.	<b>Sens Air OnLy</b> Internal sensor only	<b>Sens Flor OnLy</b> External sensor only used as Floor sensor or external ambiance sensor.
02	<b>CAL Air</b>	<b>Calibration of the internal probe</b> The calibration must be done after 1 day working with the same setting temperature in accordance with the following description: Put a thermometer in the room at 1.5M distance from the floor (like the thermostat) and check the real temperature in the room after 1 hour. When you enter on the calibration parameter "no" is displayed to indicate no calibration has made. To enter the value read on the thermometer press on the joystick, the message " _ _ _ " must be blink, now enter the real value with the joystick « up and down » and valid your adjustment by pressing the joystick. The message "Done" should be displayed, the value will be stored in the internal memory. If you need to remake the calibration, enter once again on the installation menu, and press on the joystick when the message "Done" is displayed, then the message " _ _ _ " should be blink. The old value will be erased if you valid by pressing on the joystick and the message "no" or will be replaced by the new one. <b>* Pay attention:</b> Only the heating element managed by the thermostat must be run during the complete step of the calibration.	<b>no</b> no calibration has made	<b>done</b> Calibration has made
03	<b>CAL SoL</b>	<b>Calibration of the external probe</b> The calibration must be done same as described above if the external sensor is connected and used like an external ambiance sensor. If the external sensor is used as floor sensor, the thermometer should be put on the floor.	<b>no</b> no calibration has made	<b>done</b> Calibration has made
04	<b>1rst Heat</b>	<b>Drying function (for cement, concrete floor...)</b> This first one heat works in the following way: 2 working hours dispatched on 24 hours the 1rst day and 1H00 more the following days, during 21 days. During this period the room or floor in priority (if sensor connected) temperature is limited at 20°C	<b>no</b> Function not activated	« <b>21</b> » Function activated  * The function will be kept in case of power supply cutting.
05	<b>LoAd</b>	Value of the power connected on the thermostat (in Watts) <b>Note:</b> 1/ When the power connected on the thermostat exceeds > 2300W, you must use an external power relay (contactor). Then adjust the parameter on "0000" position.  2/ When the external sensor is used for the regulation it's not necessary to adjust this parameter.	<b>1500</b>	Adjustable <b>0 to 3500W</b> by step of <b>50W</b>  <b>Your adjustments</b> <b>Room :</b> _____  <b>Installed power :</b> _____
09	<b>End</b>	To exit the installation menu The software version is displayed.	Press on the joystick to exit  <b>E760 4.xx</b>	

How can you create or change a user's program (U1 or U2).



Before, select one of the user's programs **U1** or **U2** by using the joystick



To program the remaining days, repeat step « 4 » to « 14 » and this for all the days of the week.

Once you have run through the whole programming, set the thermostat in the **Auto** mode.

- To leave the program mode **P** without saving press the **ESC** key.
- In program mode **P** you have the possibility to reset a user program separately (**U1** or **U2**) by pressing the **ESC** key during a few seconds when you have selected the user program (**U1** or **U2** must be blinking before pressing). When the program is erased "**Clr**" is displayed.

## USER GUIDE

GB

### Wattstemp 760 230Vac Flush mounting digital programmable thermostat.



#### Descriptions

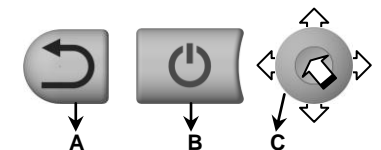
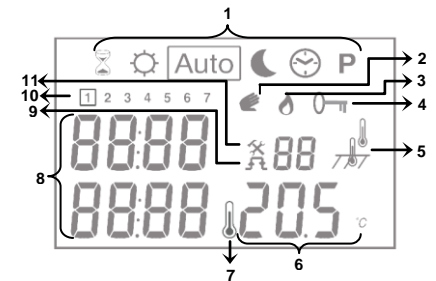
- Electronic thermostat specially designed to control the Electrical floor heating.
- Weekly programme per minute.
- 12 temperatures levels per day.
- Possibility to regulate either the floor or room temperature, or combined (in this case, the floor sensor is used as temperature limiter)
- ON /OFF Main switch.
- Relay 16A .
- The product is supplied with two fronts and frames (Square and round) for system ELKO RS/B&J JUSSI and ELJO TREND .

## TECHNICAL CHARACTERISTICS

Measuring accuracy	0.1°C
Operating temperature	0°C - 50°C
Setting temperature range	5° C – 37° C by 0.5° C step
Regulation Characteristics	Integral proportional band or Static differential. (adjustable in the installer's menu)
Electrical Protection	Class II - IP21
Color	Polar White RAL 9010
LCD back light	Blue
Main Switch	Two poles 16A
Power supply	230Vac +/- 10% 50Hz
Output	Relay 16A 250Vac resistive load (AC1)
Type of external sensor	CTN 10K 3M
Software version	The version is indicated in the installer menu.

## DISPLAY & KEY

- Operating mode. (The active mode is framed)
- Override indicator.
- Heating indicator.
- Keyboard locked indicator.
- Type of sensor selected.
- Setting temperature or parameter value when "11" is displayed.
- Room or floor temperature indicator only in the user's menu.
- Title of the parameter when "11" is displayed. or Hour in program and Auto mode.
- Step number in program mode.
- Current day.
- Installer's or user's menu number.



- A: Escape key (to exit the current menu or reload the factory setting value)
- B: Main switch
- C: Joystick (To change mode or current value)

