

091PRO WIRED PROGRAMMABLE THERMOSTAT



MULTILINGUAL MANUAL

Quick Guide



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Introduction

The **091PRO** is a programmable weekly controller designed to regulate the temperature of heating or cooling systems. It operates on AA, 1.5V alkaline batteries, which must be inserted into the compartment under the flap. Rechargeable batteries are not supported. Additionally, the device features a **Boost Mode** that can be activated based on **motion detection**, ensuring optimal comfort and efficiency. Full manual available on our website.

Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives: GPSR 2023/988/EU, RoHS 2017/2102/EU, EMC 2014/30/EU and LVD 2014/35/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.salus-tech.com

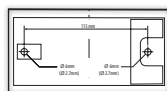
Safety Information

Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations.

Box Content



091Pro
Thermostat



Screw Mounting
Template



2 x AA
Batteries

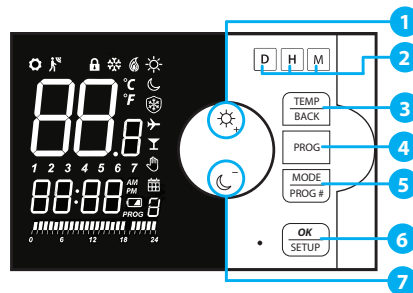


2 x Screws



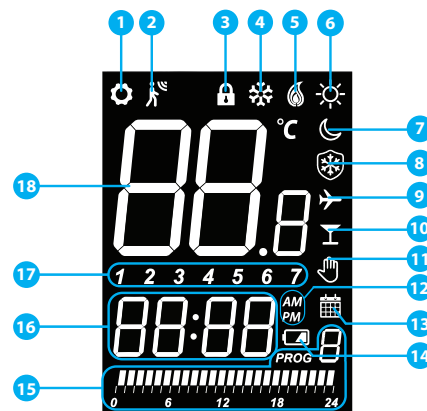
2 x Wall Anchors

Buttons & description



- | | |
|---|--|
| 1. Setting Comfort or Temperature UP | 5. New Program Mode or Program Selection |
| 2. Set the day (D), hour (H) and minute (M) | 6. Confirm function or Service Menu |
| 3. Set Comfort or Economy temperature | 7. Setting Economic Mode or Temperature DOWN |
| 4. Weekly Program setting | |

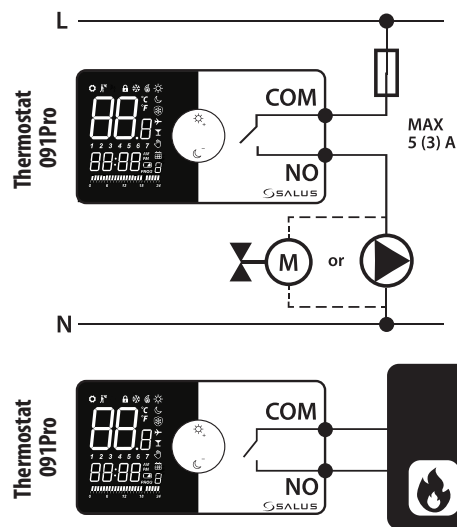
Icons and Display



- | | |
|--------------------------|---------------------------------------|
| 1. Settings | 10. Party mode |
| 2. Motion detection | 11. Manual mode or Temporary override |
| 3. Child protection | 12. AM / PM |
| 4. Cooling mode | 13. Personalised time program icon |
| 5. Heating mode | 14. Low battery indicator |
| 6. Comfort mode | 15. Hourly program indicator |
| 7. Economic mode | 16. Clock |
| 8. Frost protection mode | 17. Day of the week |
| 9. Holiday mode | 18. Room or Setpoint temperature |

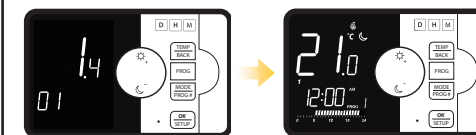
Wiring Diagram

Refer to the wiring diagrams for proper receiver installation.

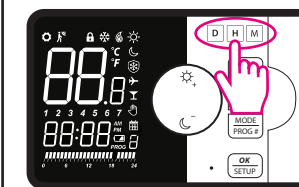


First Power Up

Insert the provided batteries after wiring is complete. The thermostat will power on and display the software version then will go to main screen..

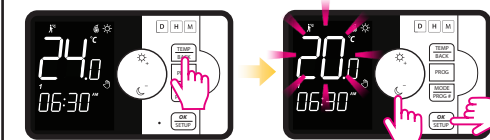


Time & Date Adjustment



Press the **D**, **H** and **M** buttons to set the day, hour, and minute.

Change Setpoint Temperature



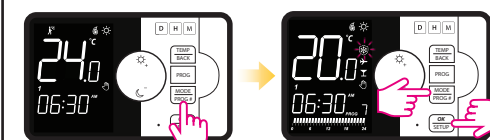
Press the **TEMP BACK** button.

Press **☺** or **☹** buttons to adjust setpoint temperature. Press **OK SETUP** to confirm.

Mode Selection

Mode selection allows users to cycle through different operating modes of the 091Pro, each tailored for specific situations.

- | | |
|---|--------------------|
| Frost Protection Mode | Party Mode |
| Holiday Mode | Manual Mode |
| Hourly Program Mode OR Personalised Time Program Mode | |



Press the **MODE PROG #** button to open **Mode Selection**.

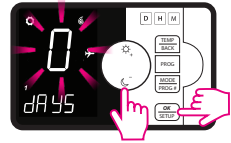
Press **MODE PROG #** again to cycle through modes, then press **OK SETUP** to confirm.




Frost Protection Mode

Frost protection prevents the temperature from dropping below a safe level, helping to avoid freezing temperatures and maintain minimal heating when the system is off.

Holiday Mode

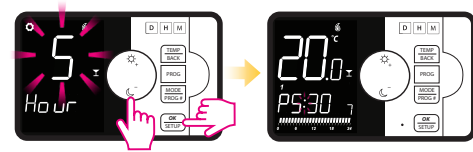
Holiday mode keeps the thermostat at a set temperature for an extended period while you're away, helping to save energy while preventing the home from getting too cold or too hot.






Press  or  buttons to adjust the number of days active. Confirm by selecting .

Party Mode

Party mode temporarily overrides the scheduled temperature for a set number of hours, ensuring comfort during gatherings without changing the regular schedule.





Press  or  buttons to adjust the number of active hours. Confirm by selecting .

Thermostat will start the Party Mode countdown.

Manual Mode

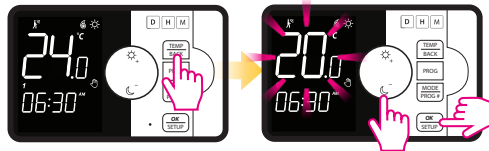
Manual mode allows users to set and maintain a desired temperature without following a schedule. The setpoint can be adjusted anytime.

From main screen it can be selected one of the two settings by pressing button with the representing icon:




- **Comfort mode**  - maintains a higher set temperature for a warm and cozy environment, ideal for times when you are at home and active.
- **Economic mode**  - maintains a lower set temperature to save energy while still keeping the space comfortable, ideal for times when less heating or cooling is needed.



The user can set custom temperatures for both **Comfort** and **Economic** modes to match their personal preferences.



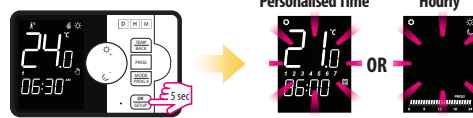
Press the  button.


Press  or  buttons to adjust setpoint temperature. Confirm by selecting .


Program Mode

Create a personalised or preset heating schedule to match your routine. Set different temperatures for specific times, ensuring comfort and efficiency. The thermostat then adjusts automatically to your settings. Follow below steps to select one of the two programming modes that can be used.

Choose the program mode




Hold  for 5 seconds to enter SETUP then cycle through settings by pressing the same button until reaching Program Mode selection.

Press  or  buttons to choose. Confirm selection . Hold  5 seconds again to exit SETUP mode.

Hourly program -

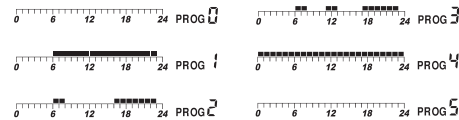


Press  multiple times to select the day of the week you want to change.

1 2 3 4 5 6 7



Then press the  button to circle through programs.

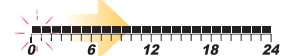
The thermostat offers 9 programs in total. PROG 0-5 are factory preset and cannot be edited, but you can select and use them. PROG 6-8 are customizable, allowing you to create your own heating schedule.




 **PROG 0** is a special type of program that allows the user to set the whole day to frost protection temperature.

How to personalize a hourly program:




When reaching a program that can be personalized (PROG 6 to 8), use the  and  buttons to select if you want to use the **Economic** or **Comfort** Mode. Selection should be done by circling through all hours.



 Only programs 6, 7 and 8 can be personalized.

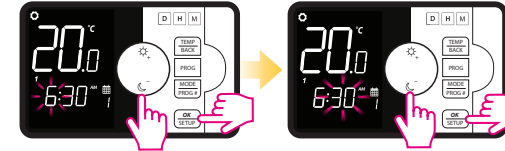
Confirm by pressing  button.




Personalised Time Program -




Press  to select the days of the week you want to change and circle through options by  and  buttons.

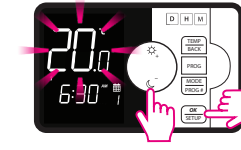
- Full week: **1 2 3 4 5 6 7** • Weekend: **6 7**
- Working days: **1 2 3 4 5** • Individual days




Continue by pressing  button.





Set the hour by using  and . Then confirm by pressing .

Set the minute by using  and . Then confirm by pressing .



Set the temperature by pressing  and . Then confirm by pressing .

 There is a number of 6 programs for each day. This process repeats for all 6 programs. Once you finish setting one program, the next one will automatically appear for adjustment.

 **Please note:** Each period's start and end time must be strictly between the previous period's end and the next period's start to ensure a logical, conflict-free schedule.

Example:

1st Period: 6:30, 20°C (1st period is active until 2nd period starts)

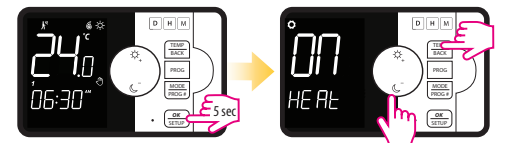
2nd Period: 8:00, 24.5°C (2nd period is active until 3rd period starts)

6th Period: 22:00, 20°C (6th period is active until 1st period of the next day starts).

To confirm your changes, hold  for 5 seconds. The screen will then return to the home display.



Motion detection (Boost mode)

Boost Mode functions only in Program Mode and applies only for heating. How to turn on the motion detection (Boost mode):



Press  or  buttons to select **ON**. Confirm selection .

For Hourly Program

In an hourly program, Boost Mode overrides Economy mode  based on motion detection. When motion is detected, the system automatically switches to Comfort mode  in a hour timeframe.





Personalised Time Program -

In a personalized time program, Boost Mode overrides the current set temperature with the highest setpoint scheduled for that day when motion is detected.



Other Settings




The thermostat also includes additional settings to customize your experience, allowing you to adjust preferences to suit your needs.

Display	Description
HEAT	Enable the Auto Boost Mode based on motion detection.
dISP	Allows the display to turn on automatically when motion is detected. Disclaimer: Enabling the motion-activated display will significantly reduce battery life.
SEnS	Adjust the motion detection sensitivity 1-3 levels
	Heating or cooling mode selection.
	Program mode selection.
24h or 12h	24 or 12 hours format.
0.1 or 0.5	LCD displayed resolution of temperature.
OFF5	Temperature offset adjustment: Range from -3.5°C to +3.5°C in 0.1°C steps, default set to 0.0°C.
PIN	Allows the user to set a PIN for security.
SPAN/TPI	Select the control algorithm - SPAN 0.25C/0.5C/1.0C or TPI 3/6/9 CPH
dLY	Enables a 5-minute heating switch delay (heat mode only).
out	NC or NO output control setup
Lo	The lowest temperature that can be set.
HI	The highest temperature that can be set.

Factory reset



Press and hold for 5 seconds the **Factory Setup** button.

Select **YES** by pressing  or . Then confirm by pressing .