SALUS CONTROLS

C.H. PUMP CONTROLLER
Model: NPC1



MULTI-LANGUAGE MANUAL

QUICK GUIDE

MANUFACTURER:
SALUS Controls plc,
Units 8-10,
Northfield Business Park,
Forge Way, Parkgate
Rotherham, S60 1SD
United Kingdom

IMPORTER:
Salus Controls
European Distribution sp.z o.o.
ul. Szamocka 8, piętro 6.,
01 748 Warszawa,
Poland

UK: tech@salus-tech.com
PL: poland@saluscontrols.com
DE / NL: info@salus-controls.de
FR: technicalsupport@saluscontrols.fr
RO: tehnic@saluscontrols.ro
DK: Support@salus-controls.dk

www.saluscontrols.com

Computime

SALUS Control is a member of the Computime Group.
In line with its policy of continuous product development, SALUS Controls reserves the right to change the specifications, design and materials of the products listed in this brochure without prior notice.

10/2026

Introduction

The NPC1 controller is designed to control the water pump in the central heating circuit. The controller's function is to switch the pump on if the temperature exceeds the set point, and to switch it off if the boiler cools down (due to the boiler going out). This prevents unnecessary pump operation and extends its service life, which also saves electricity. Depending on the degree of boiler utilisation, savings can reach up to 60%. This increases the pump's reliability and reduces the costs associated with operating the system.

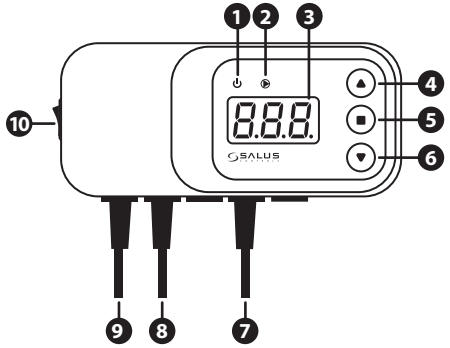
Product compliance

This product complies with the following European directives: GPSR 2023/988/EU, EMC 2014/30/EU, LVD 2014/35/EU, RoHS 2017/2102/EU, and SVHC 251. The full text of the EU Declaration of Conformity is available at the following web address: www.saluslegal.com
PN-EN 60730-1:2016-10+A1:2019-07+A2:2022-10
PN-EN IEC 60730-2-9:2019-06+A1:2019-06+A2:2021-01
PN-EN 61000-3-2:2019-04+A1:2021-08
PN-EN 61000-3-3:2013-10+A1:2019-10+A2:2022-04
PN-EN 50419:2023-05
PN-EN IEC 63000:2019-01

Safety information

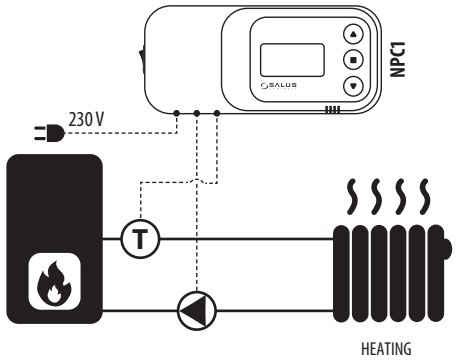
Use in accordance with the regulations in force in your country and within the EU. The device must be used for its intended purpose.
It must not be used in conditions where water vapour condensation occurs, nor must it be exposed to water.
This product is for indoor use only.
The controller must be installed by a qualified person, in accordance with the regulations in force in the relevant country and within the EU. Before carrying out any work involving the power supply (connecting cables, installing the device, etc.), ensure that the controller is not connected to the mains! Incorrect connection of cables may damage the controller.

Product description



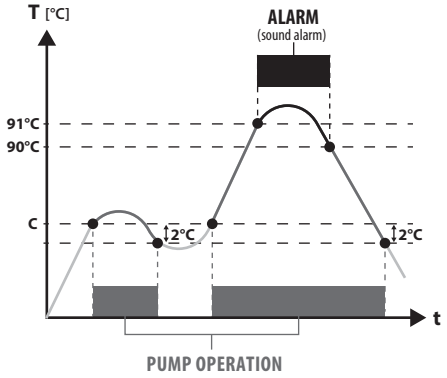
1. Power supply indicator
2. C.H. pump operation indicator
3. Display
4. Increasing setpoint temperature or value (+)
5. Menu button
6. Decreasing setpoint temperature or value (-)
7. Temperature sensor
8. Pump power supply
9. Controller power supply
10. ON/OFF power supply switch

Wiring diagram



FUNCTION

C - set pump start-up temperature



Controller operation

Setpoint temperature is changed by pressing the MENU button.
Display should indicate a flashing „C" letter. At this point it is possible to change the desired setpoint temperature using - or + buttons.
After a few seconds, the controller will go into operating mode and display the current boiler temperature.

Manual mode

This function allows you to check whether the connected pump is working by pressing the MENU and - buttons simultaneously.
Pressing the buttons again will switch the pump off.

Hysteresis

This is the difference between temperature of the pump start and the temperature of return to standby. Controller has a constant hysteresis of 2°C. For example, after setting the setpoint temperature at 50°C, pump will be turned on after exceeding 50°C, and will be turned off when the temperature will drop to 48°C.

Additional functions

Controller has an „anti-stop" function which protects pump against lime scale when there is no heating season. Pump is turned on every 14 days for 15 seconds.

An additional protection is the frost protection function, which runs pump permanently when temperature on the sensor drops below 5°C.

Alarm

The controller is equipped with an sound alarm which signals too high temperature on the boiler (above 90°C).

Technical data

Input rated voltage:	230 V / 50Hz ±10%
Rated frequency	2 W
Working temperature	-10 to +50°C
Max load of the pump output	6 A
Temperature measurement range	0 to 99°C
Setpoint temperature range	5 to 80°C
Sensor temperature range	−10 to +120 °C
Sensor cable length	1,2 m

Full error list:
E1 - short circuit in the C.H. sensor circuit
E2 - broken C.H. sensor