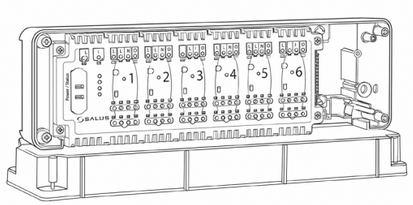
EN



KL06 24V

WIRING CENTRE (6 ZONES) 24V

QUICK GUIDE

MULTI-LANGUAGE MANUAL

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

Email: tech@salus-tech.com

Computime

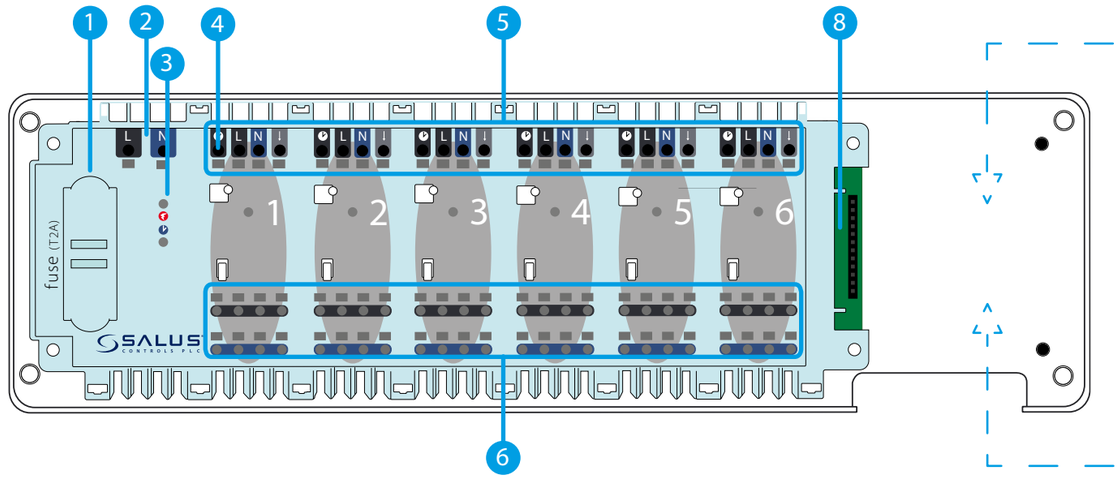
www.saluscontrols.com

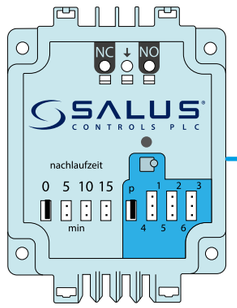
SALUS Controls is a member of the Computime Group.
Maintaining a policy of continuous product development SALUS Controls plc reserve the right to change specification, design and materials of products listed in this brochure without prior notice.

11/2026

Wiring centre description

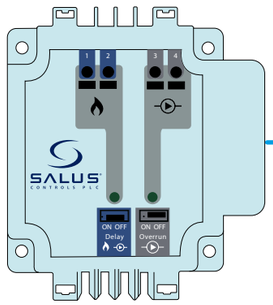
1. Cartridge fuse 5 x 20 mm 2 A
2. Power Supply
3. Diodes
4. NSB (Night Set Back reduction) function
5. Thermostats connection
6. Actuators connection
7A. PL06 - pump (or boiler) control module
7B. PL07 - pump and boiler control module
8. Serial connector for PL06 and PL07 modules





7A

OR



7B

Introduction

Wired KL06 24V wiring centre allows easy and quick connection of thermostats and actuators. It has a serial connector for additional modules (sold separately):
- PL06 Pump or boiler control module
- PL07 Pump and boiler control module

The KL06 24V wiring centre is adapted to work with NC (normally closed) type actuators and maximum 6 thermostats.

Product Compliance

This product complies with the essential requirements and other relevant provisions of Directives GPSR 2023/988/EU, EMC 2014/30/EU, LVD 2014/35/ EU, RoHS 2015/863/EU amendment 2017/2102/EU and REACH SVHC 253 1907/2006. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.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.

Before performing any operations related to the power supply (such as connecting wires or installing the device), ensure the mains power is fully disconnected. Installation must be carried out by a qualified professional. Incorrect wire connections may cause permanent damage to the wiring centre. The KL06 must not be exposed to water or moisture condensation.

Technical Information

Power Supply	24 V AC 50 Hz
Max load	2 (1) A
Outputs	Terminals for actuator (24 V)
Dimmensions [mm]	300 x 86 x 63

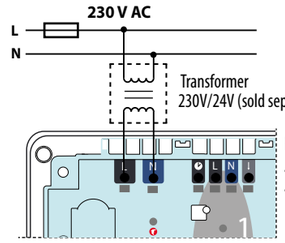
1. Fuse

Note: Replace the fuse only when the wiring centre is disconnected from power supply 24V~.

Main fuse is located under the housing cover next to power supply terminals and secures the wiring centre and the devices connected to it. Use cartridge fuses (5x20 mm) with nominal max current 2 A. To replace fuse remove the fuse holder with a flat screwdriver and pull out the fuse.

2. Power Supply

Power supply for wiring centre is 24V 50Hz



Features:
- two-wire installation,
- made in accordance with applicable regulations.

3. LED diodes

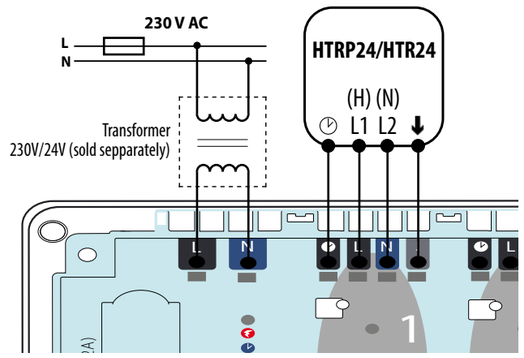
- green LED diode indicates power supply connection 24 V.
- orange LED diode indicates NSB function being activated.

4. NSB (Night Set Back reduction) function

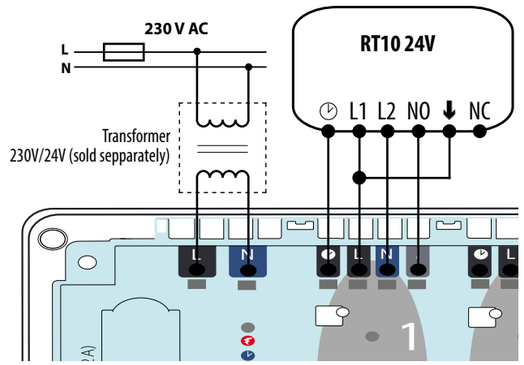
NSB function is activated in non-programmable Salus thermostats of the Expert NSB, HTR, BTR series via external signal. NSB 24 V signal (night-time temperature reduction) is sent via an external timer or programmable thermostat connected to the KL06 wiring centre. Non-programmable thermostats are receiving NSB signal and reducing setpoint temperature (by switching to eco mode). All thermostats have to be connected using a 4-wire cable (min. 4 x 0,75 mm^2, max. 4 x 1,5 mm^2).

5. Thermostats connection

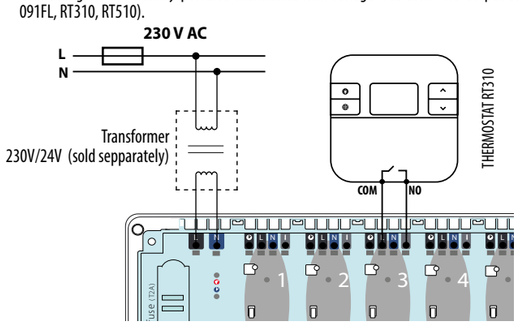
- Connecting HTR series thermostat with NSB function



- Connecting RT10 24V thermostat with NSB function.



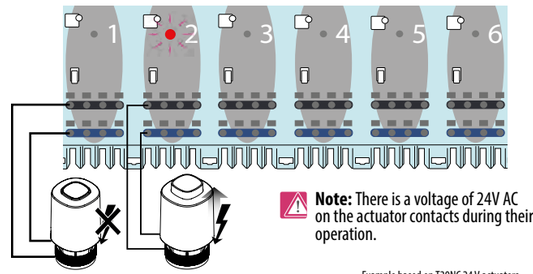
Connecting ON/OFF battery-powered thermostat with voltage-free COM / NO output contacts (np. 091FL, RT310, RT510).



Note: In NSB, HTR, ERT, BTR product series follow interchangeable signifying:
↑ = SL
◷ = NSB

6. Actuators connection

Wires of thermoelectric actuators should be plugged into self-locking connectors in appropriate zones. 4 actuators can be connected directly to one zone.



Note: There is a voltage of 24V AC on the actuator contacts during their operation.

Example based on T30NC 24 V actuators.

7 A. PL06 – pump (or boiler) control module

PL06 module is used to control the pump (or boiler) using volt-free NC/COM/NO contacts. When any of thermostats connected to the KL06 24 V reports heat demand, COM/NO contacts are closing. COM/NO contacts are opening, when thermostats connected to the wiring centre will stop sending signal for heating.

Jumpers 0-15

These are used to set in minutes the delay time (overrun time). Default setting is „0".



0-15 values specify the time in minutes. E.g. when jumper is set to value „0", COM/NO output will turn off as soon as the thermostats stop calling for heat. If jumper will be set to the value„10", the module will turn off 10 min after the thermostats stop calling for heat.

Jumpers P,1,2,3,4,5,6

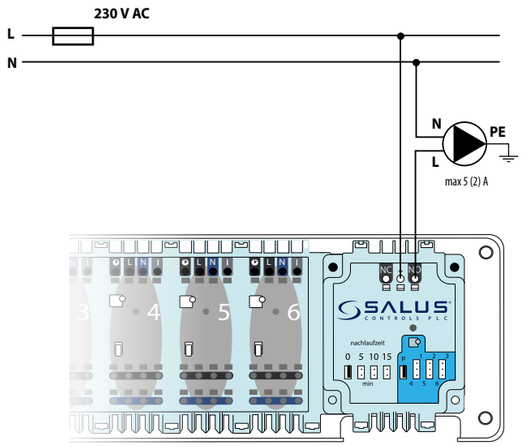
They are used to select the zone which turns on the module. Default setting is „P".



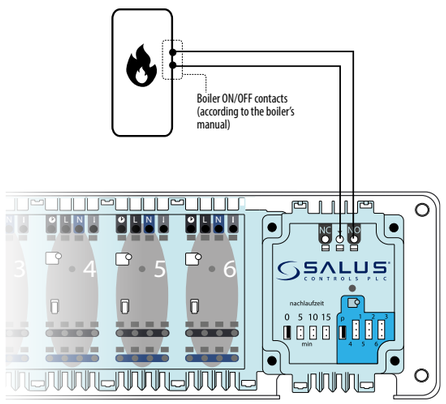
P - all zones start the module

1, 2, 3, 4, 5, 6 – select the specific zone which turns on the module.

PUMP CONTROL



BOILER CONTROL



Power Supply	from the KL06 wiring centre
Max load	5 (2) A
Outputs	NO/COM/NC relay
Dimensions [mm]	60 x 80 x 20

7 B. PL07 – pump and boiler control module

PL07 module is used to control the pump and the boiler using volt-free COM/NO contacts. When any of thermostats connected to the KL06 230V reports heat demand, COM/NO contacts are closing. COM/NO contacts are opening, when thermostats connected to the wiring centre will stop sending signal for heating.

ON-OFF Delay jumper

Is used to activate the delay output for the pump and boiler. Default is „ON".



- "ON" position activates the pump and boiler outputs with a delay of 3 minutes after the heating signal is supplied from any of the thermostats connected to the wiring centre.
- "OFF" position causes immediate activation of the pump and boiler outputs.

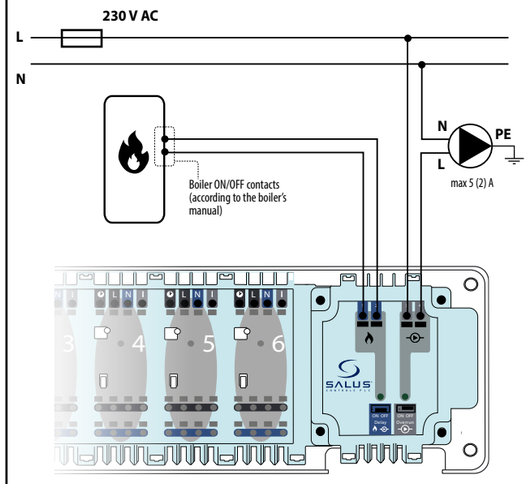
ON-OFF Overrun jumper

Is used to activate the delay output for the pump when heating is satisfied. Default is „ON".



- "ON" position turns OFF the pump output with a delay of 3 minutes when all thermostats stop calling for heat.
- "OFF" position immediately turns OFF the pump output when all thermostats stop calling for heat.

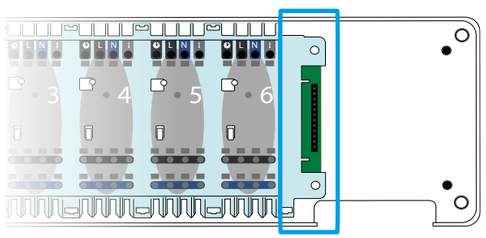
PUMP AND BOILER CONTROL



Power Supply	from the KL06 wiring centre
Max load	5 (2) A
Outputs	2 x NO/COM relay
Dimensions [mm]	70 x 80 x 20

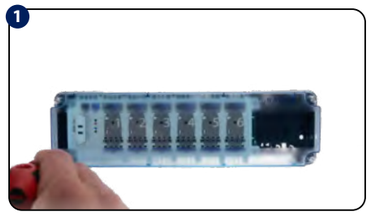
8. Serial connector for PL06 and PL07 modules

It provides communication between the KL06 wiring centre and the PL06/PL07 modules. KL06 wiring centre + PL06/PL07 module increases functionality and additionally makes possible to control pump and/or boiler. PL06/PL07 module is powered from the wiring centre.



INSTALLATION

1



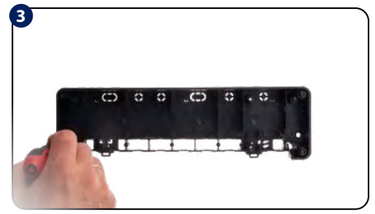
Remove the top cover of the wiring centre.

2



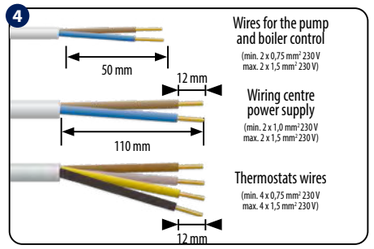
Unscrew the main housing (see picture).

3



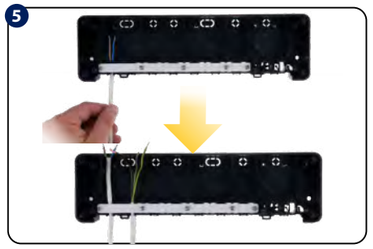
Mount the back side of the housing to the wall. When mounting on a DIN rail, open the hooks on the back of the housing.

4



Strip the insulation from the wires to the specified length.

5

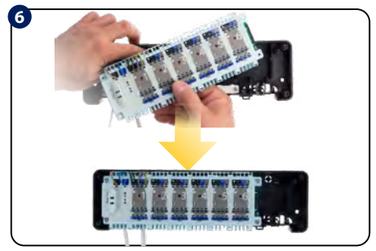


Thread the wires under the mounting belt in the back part of the wiring centre.

Set includes supplementary accessories (to support installation proces).

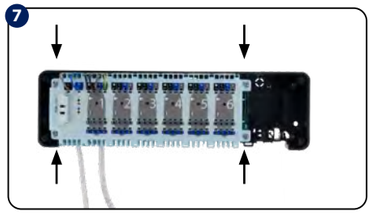


6



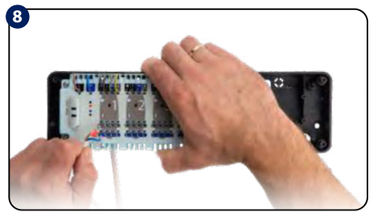
Thread the wires through the slots in the top part of the wiring centre and connect it to the terminals.

7



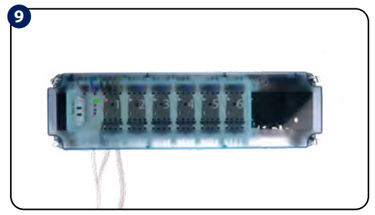
Adjust the wires and screw the main housing of the wiring centre to the rear housing.

8



Connect the thermoelectric actuators wires.

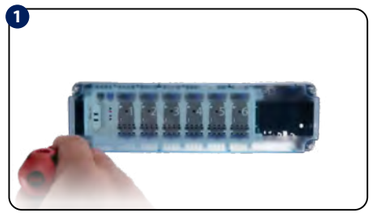
9



Make sure that all the wires are properly connected, mount top cover and power up the wiring centre - the green "Power" indicator LED will illuminate.

INSTALLATION OF THE ADDITIONAL MODULE PL06 OR PL07 ON THE EXAMPLE OF PL06 MODULE

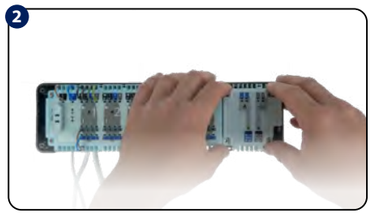
1



Remove the top cover of the wiring centre.

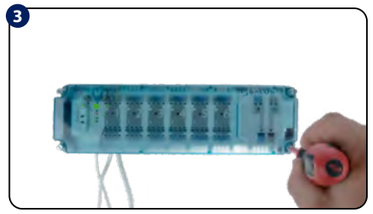
Note: Before connecting PL06/PL07 module, disconnect the main power from the KL06 wiring centre.

2



Connect the PL06 or PL07 module to the serial connector.

3



Make sure that all the wires are properly connected, mount top cover and power up the wiring centre - the green „Power" indicator LED will illuminate.