



Manual

VI 2020

PRODUCER:
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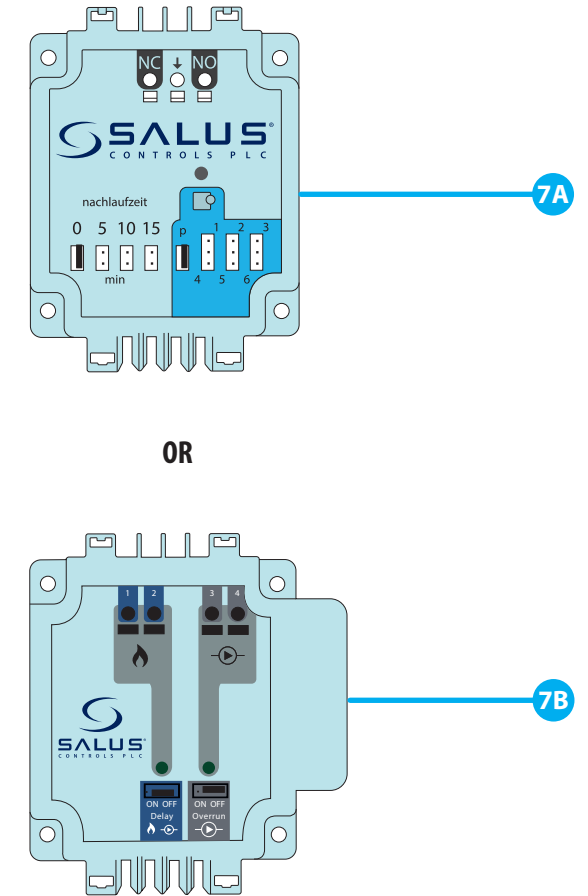
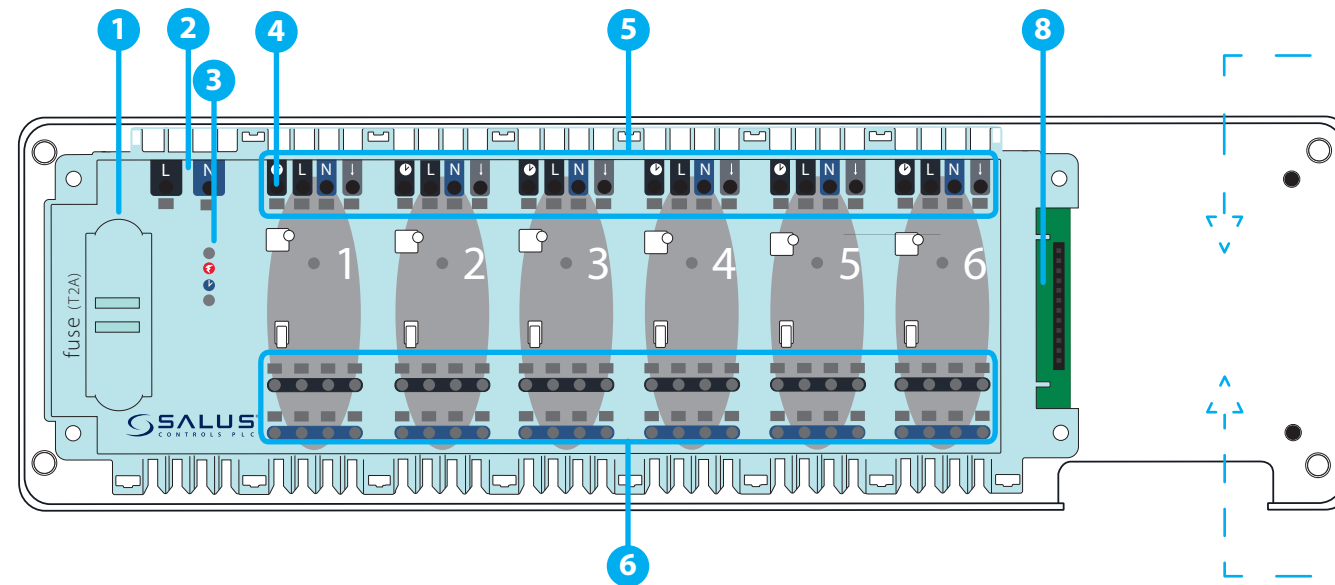
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Wiring centre description

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



Introduction

Wired KL06 230V 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 230V wiring centre is adapted to work with NC type actuators (normally closed) and maximum 6 thermostats.

Product Compliance

This product complies with the essential requirements and other relevant provisions of the following EU Directives: EMC 2014/30/EU, Low Voltage Directive LVD 2014/35/EU, RoHS directive 2011/65/EU. 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 any of operation related to power supply (connecting wires, installing the device, etc.), make sure that KL06 is not connected to any power source. Installation must be carried out by a qualified person. Incorrect connection of the wires may cause damage to the wiring centre. The KL06 can not be used in conditions of water vapor condensation neither exposed to water.

Technical Information

Power Supply	230 V AC 50 Hz
Max load	2 (1) A
Outputs	Terminals for actuators (230V)
Dimensions [mm]	300 x 86 x 63

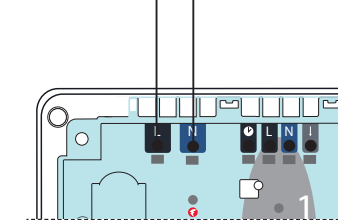
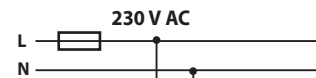
1. Fuse

Note: Replace the fuse only when the wiring centre is disconnected from power supply (230V ~).

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 230 V ~ 50Hz.



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

3. LED diodes

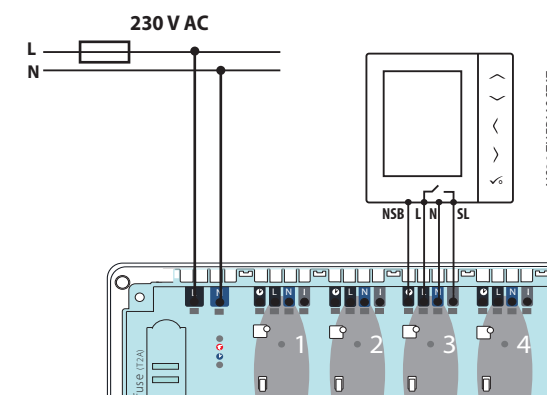
- ⬆ - green LED diode indicates power supply connection (230 V AC)
- ⬇ - orange LED diode indicates NSB function being activated

4. NSB (Night Set Back reduction) function

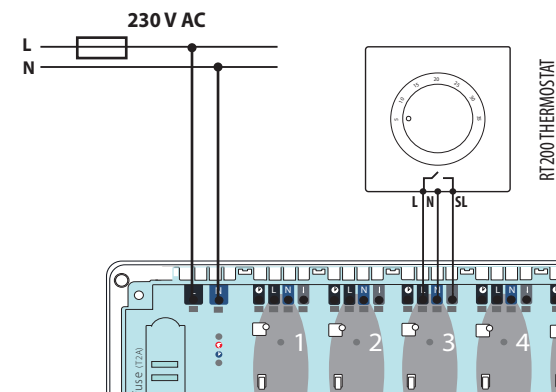
NSB function is activated in non-programmable Salus thermostats of the Expert NSB, HTR, BTR series via external signal. NSB 230 V signal (night-time temperature reduction) is sent via an external timer or programmable thermostat connected to the KL06 wiring centre. Non-programmable thermostats are receiving 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 mm², max. 4 x 1,5 mm²).

5. Thermostats connection

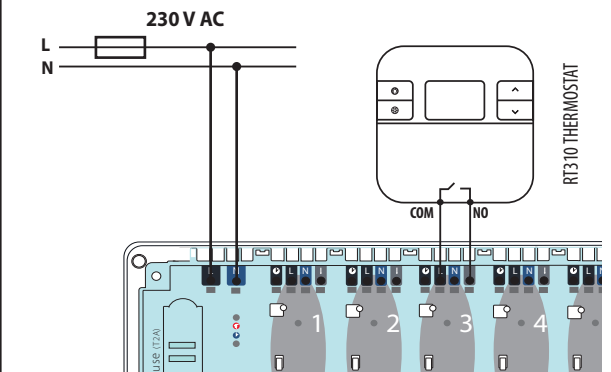
- Connecting EXPERT NSB, HTR or BTR series thermostats with NSB function



- Connecting a 230 V thermostat to the KL08NSB wiring centre (e.g. RT200)



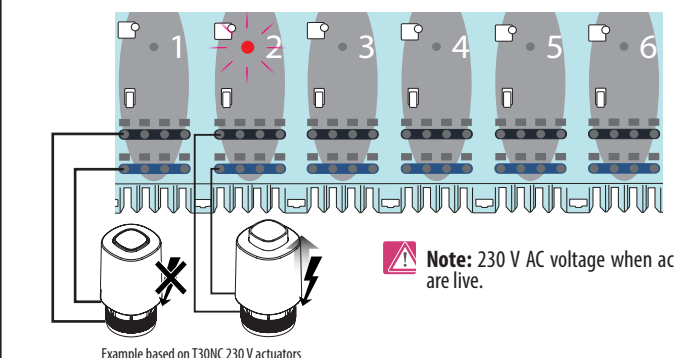
- Connecting ON/OFF battery-powered thermostat with voltage-free COM / NO output contacts (e.g. 091FL, RT310, RT510)



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

6. Actuators connection

The actuator wires should be secured with the self locking connectors in the appropriate zone. Up to 6 actuators with a load of up to 2 Watts each can be connected to a single zone. Should more than 6 actuators be required in a zone use an additional relay to relieve the output.



Note: 230 V AC voltage when actuators are live.

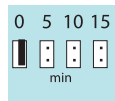
Example based on T30NC 230V actuators

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 230 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

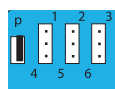
These are used to set in minutes the delay time (overrun time). Default setting is „0“.



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

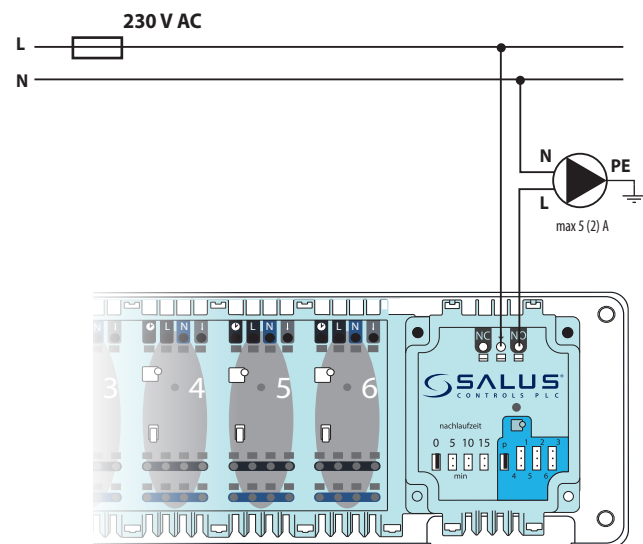
They are used to select the zone which turns on the module. Default setting is „P“.



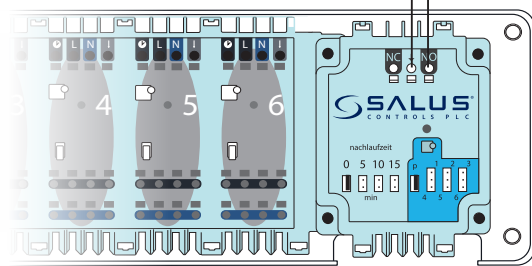
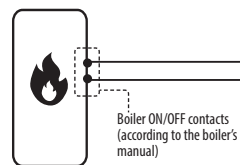
P – all zones start the module

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.

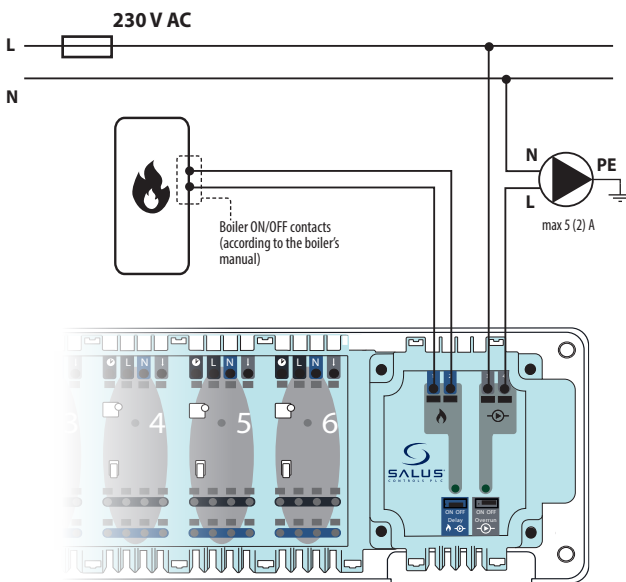
ON-OFF Overrun jumper

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.

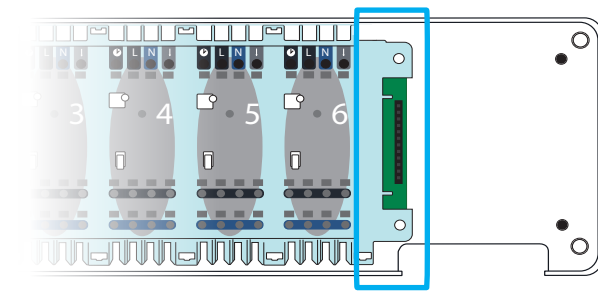
PUMP AND BOILER CONTROL



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

- Remove the top cover of the wiring centre.
- Unscrew the main housing (see picture).
- 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.
- Remove the appropriate pieces of insulation from the wires.
 - Wires for the pump and boiler control (min. 2 x 0,75 mm² 230V max. 2 x 1,5 mm² 230V)
 - Wiring centre power supply (min. 2 x 1,0 mm² 230V max. 2 x 1,5 mm² 230V)
 - Thermostats wires (min. 4 x 0,75 mm² 230V max. 4 x 1,5 mm² 230V)
- Thread the wires under the mounting belt in the back part of the wiring centre.
- Thread the wires through the slots in the top part of the wiring centre and connect it to the terminals.

i Set includes supplementary accessories (to support installation proces).
- Adjust the wires and screw the main housing of the wiring centre to the rear housing.
- Connect the thermoelectric actuators wires.
- 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

- Remove the top cover of the wiring centre.
- Connect the PL06 or PL07 module to the serial connector.
- 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.

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



Introduction

The PL06 module extends the functionality of the KL06 wiring centre. The Module is used to control the pump (or boiler) using volt-free NC/COM/NO contacts. When any of the thermostats connected to the KL06 230V call for heat, COM/NO contacts are closed. COM/NO contacts are open when thermostats connected the wiring centre stop calling for heat.

Product Compliance

This product complies with the essential requirements and other relevant provisions of the following EU Directives: EMC 2014/30/EU, Low Voltage Directive LVD 2014/35/EU, RoHS directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com

Safety Information

Use in accordance with national and EU regulations. The device should be used for the purpose intended and kept in dry conditions. The product is for indoor use only. Installation must be carried out by a qualified person in accordance with national and EU regulations.

Before carrying out any installation or connecting wires, make sure that the device is not connected to any power source. Installation must be carried out by a qualified person. Incorrect connection of the wires may cause damage to the wiring centre. The module must not be used in damp conditions or exposed to water.

Einleitung

Das PL06 Modul erweitert die Funktionalität der Klemmleiste KL06. Das Modul regelt die Laufzeit der Pumpe (oder des Brenners), dazu werden die potentialfreien Anschlüsse NC/COM/NO genutzt. Gibt es bei einem oder mehreren Thermostaten eine Heizanforderung, dann wird das Relais COM/NO geschlossen und die Pumpe läuft. Gibt es keinerlei Heizanforderung, dann wird das Relais COM/NO geöffnet und die Pumpe stoppt – es wird aktiv Energie gesparrt.

Produktkonformität

Dieses Produkt erfüllt die wesentlichen Anforderungen der EMC 2014/30/EU, LVD 2014/35/EU und RoHS 2011/65/EU. Den vollständigen Text der EU Konformitätserklärung können Sie auf www.saluslegal.com einsehen.

Sicherheitsinformationen

Das Produkt muss gemäß der EU- und der nationalen Richtlinien verwendet werden. Nur für eine Verwendung in Innenräumen. Halten Sie Ihr Gerät vollständig trocken. Dieses Produkt muss von einer fachlich geeigneten Person gemäß sämtlicher EU- und nationalen Richtlinien installiert werden.

Vor Installation, bitte unbedingt darauf achten, dass alle Komponenten stromlos sind! Installation und elektrischen Anschluss müssen von qualifiziertem Fachpersonal durchgeführt werden. Inkorrekte Anschlüsse können zu Schäden der Klemmleiste bzw. des Pumpenlogikmoduls führen. Das Modul darf weder Feuchtigkeit, Dampf noch Wasser ausgesetzt werden!

Introduction

Le module PL06 étend les fonctionnalités du centre de câblage KL06. Le module permet de contrôler la pompe (ou la chaudière) via de contacts libres de potentiel, NF/COM/NO. Lorsqu'un des thermostats connectés au KL06 230V demande de chauffage, les contacts COM/NO sont fermés. Les contacts COM/NO sont ouverts lorsque les thermostats connectés au centre de câblage cessent de demander de chauffage.

Conformité du produit

Ce produit est conforme aux exigences essentielles et aux autres dispositions pertinentes définies dans les directives de l'UE suivantes: EMC 2014/30/EU, LVD 2014/35/EU et RoHS 2011/65/EU. Le texte complet de la déclaration de conformité UE est disponible sur www.saluslegal.com

Informations de sécurité

Utilisez le produit dans le respect des réglementations nationales et européennes. Utilisez le dispositif conformément à sa destination et maintenez-le au sec. Produit conçu pour un usage intérieur uniquement. Seule une personne qualifiée est autorisée à installer ce produit conformément aux réglementations nationales et européennes.

Avant toute installation, assurez-vous que l'appareil n'est connecté à aucune source d'alimentation. L'installation doit être effectuée par une personne qualifiée. Une mauvaise connexion des fils peut endommager le centre de câblage. Le module ne doit pas être utilisé dans des conditions humides ou exposé à l'eau.

Inleiding

De PL06 module verlengt de functie van het KL06 bedradingscentrum. De module wordt gebruikt om de pomp (of boiler) te bedienen door voltvrije NC/COM/NO contacten. Wanneer één van de thermostaten verbonden met de KL06 230V om verwarming verzoekt, worden de COM/NO contacten gesloten. COM/NO contacten zijn open wanneer thermostaten verbonden met het bedradingscentrum niet langer om warmte verzoeken.

Productconformiteit

Dit product voldoet aan de essentiële vereisten en andere relevante bepalingen van de volgende EU-richtlijnen: 2014/30/EU (elektromagnetische compatibiliteit), 2014/35/EU (laagspanning) en 2011/65/EU (beperking van gevaarlijke stoffen). De volledige tekst van de EU-verklaring van overeenstemming is te vinden op www.saluslegal.com

Veiligheidsinformatie

Gebruik in overeenstemming met nationale en Europese regelgeving. Gebruik het apparaat zoals bedoeld en houd het droog. Uitsluitend binnenshuis gebruiken. Installatie dient te worden uitgevoerd door een gekwalificeerd persoon overeenkomstig nationale en Europese regelgeving.

Voordat een installatie wordt uitgevoerd of draden worden verbonden, bevestig dat het toestel niet verbonden is met een stroombron. De installatie moet worden uitgevoerd door een bevoegd persoon. Verkeerd verbonden draden kunnen het bedradingscentrum beschadigen. De module mag niet worden gebruikt in vochtige omstandigheden en mag niet worden blootgesteld aan water.

Technical Information

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

Technische Spezifikationen

Stromversorgung	Über die Klemmleiste KL06
Max. Schaltstrom	5 (2) A
Anschlüsse	Stromlos Offen (NO)/COM/ Stromlos Geschlossen (NC)
Abmessungen [mm]	60 x 80 x 20

Caractéristique technique

Alimentation	par le centre de câblage KL06
Pouvoir de coupure	5 (2) A
Sorties	relais NC/COM/NO
Dimensions [mm]	60 x 80 x 20

Technische specificatie

Voeding	van het KL06 bedradingscentrum
Maximale belasting	5 (2) A
Output	NO/COM/NC relais
Afmetingen [mm]	60 x 80 x 20

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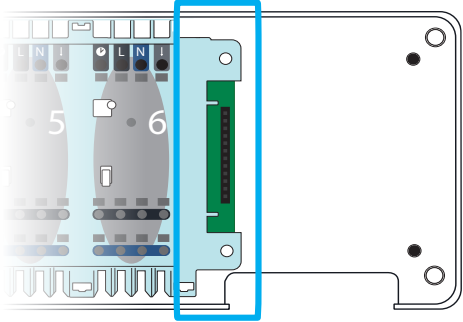


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-  **Serial Connector for PL06 and PL07 Modules**
-  **Serieller Anschluss für Module PL06 und PL07**
-  **Connecteur série pour les modules PL06 et PL07**
-  **Seriële connector voor PL06 en PL07 Modules**







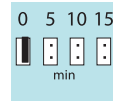
EN: This provides communication between the KL06 wiring centre and the PL06 module. The KL06 wiring centre + the PL07 module increases the functionality and also makes it possible to control a pump or boiler. The PL06 module is powered from the wiring centre.

DE: Dieser Anschluss ermöglicht die Kommunikation zwischen Klemmleiste KL06 und Pumpenlogikmodul PL06. Die Kombination KL06 und PL06 erhöht die Funktionalität der Einheit und ermöglicht es eine Pumpe oder den Brenner zu schalten. Die Stromversorgung des PL06 Moduls erfolgt über die Klemmleiste.

FR: Ceci assure la communication entre le centre de câblage KL06 et le module PL06. Le centre de câblage KL06 + le module PL07 augmentent la fonctionnalité, permettent également de contrôler une pompe ou une chaudière. Les modules PL06/PL07 sont alimentés par le centre de câblage.

NL: Verzorgt de communicatie tussen het KL06 bedringscentrum en de PL06 module. Het KL06 bedringscentrum + de PL07 module verbetert de functie en maakt het mogelijk om een pomp of boiler te bedienen. De PL06 module wordt aangedreven van het bedringscentrum.

-  **Jumpers Description**
-  **Jumper-Beschreibung**
-  **Description des cavaliers**
-  **Jumpers beschrijving**



EN: Jumpers 0-15

These are used to set in minutes the delay (over-run) time. Default setting is "0". 0-15 values specify the time in minutes, e.g. when a jumper is set to "0" COM/NO output will turn off as soon as the thermostats stop calling for heat. If the jumper is set to the value "10", the module will turn off 10 minutes after the thermostats stop calling for heat.

DE: Jumper 0-15

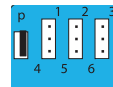
Die Jumper-Positionen dienen dazu die Laufzeit NACH Beendigung der Heizanforderung zu regeln. Werkseinstellung ist „0“. 0-15 geben die Nachlaufzeit in Minuten an. Bsp.: Wenn „0“ gesetzt ist, dann wird das Relais COM/NO sofort nach Beendigung der Heizanforderung geöffnet. Wenn „10“ gesetzt wird, öffnet sich das Relais mit einem Nachlauf von 10 Minuten.

FR: Cavaliers 0-15

Ceux-ci sont utilisés pour définir en minutes le délai (dépassement) pour éteindre la pompe/chaudière. Par défaut le réglage est "0". Les valeurs 0-15 spécifient le temps en minutes, par ex. quand un cavalier est réglé sur "0" La sortie COM/NO s'éteint dès que les thermostats cessent de demander de chauffage. Si le cavalier est réglé sur la valeur "10", le module tournera la pompe/chaudière encore 10 minutes après que les thermostats cessent de demander de chauffage.

NL: Jumpers 0-15

Deze worden gebruikt om de vertraging (over-run) tijd in te stellen in minuten. De standaard instelling is "0". 0-15 waarden specificeren de tijd in minuten, bv. wanneer een jumper is ingesteld op "0", zal de COM/NO output uitschakelen zodra de thermostaten niet langer om warmte verzoeken. Als de jumper is ingesteld op waarde "10", zal de module uitschakelen 10 minuten nadat de thermostaten niet langer om warmte verzoeken.



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

These 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.

DE: Jumper P, 1, 2, 3, 4, 5, 6

Es kann eine ganz spezielle Zone zur Schaltung des Relais ausgewählt werden. Werkseinstellung ist "P".

P – alle 6 Heizzonen schalten das Relais.

1, 2, 3, 4, 5, 6 – nur die ausgewählte Zone schaltet das Relais.

FR: Cavaliers P, 1, 2, 3, 4, 5, 6

Ceux-ci sont utilisés pour sélectionner la zone qui pilote le module. Par défaut le réglage est "P".

P – toutes les zones démarrent le module.





1, 2, 3, 4, 5, 6 – sélectionnez la zone spécifique qui pilote le module.

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

Worden gebruikt om de zone te selecteren die de module aanschakelt. Standaard instelling is "P".

P – alle zones starten de module.

1, 2, 3, 4, 5, 6 – selecteer de specifieke zone die de module aanschakelt.

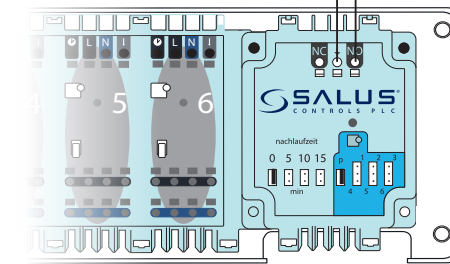
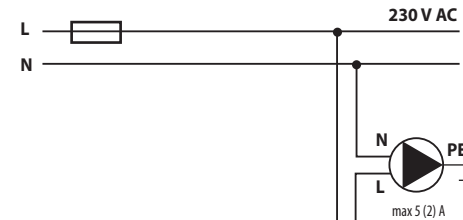
-  **Wiring Diagrams**
-  **Schaltplan**
-  **Schémas de câblage**
-  **Bedringschema's**

EN: PUMP CONTROL

DE: STEUERUNG DER PUMPE

FR: CONTRÔLE DE LA POMPE

NL: POMPBEDIENING

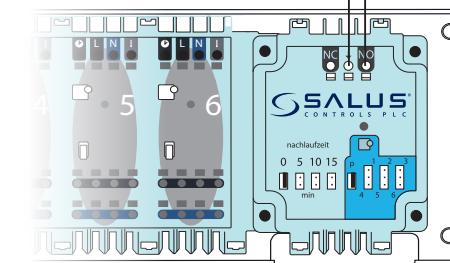
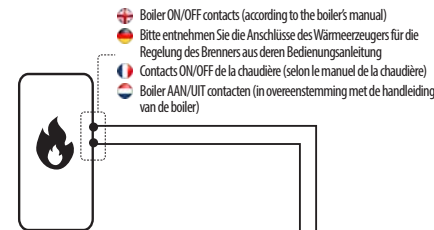






EN: BOILER CONTROL

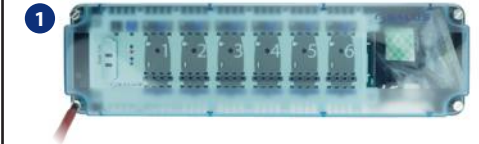
DE: STEUERUNG DES BRENNERS

FR: CONTRÔLE DE LA CHAUDIÈRE

NL: BOILERBEDIENING



-  **Installation of the Additional Module**
-  **Installation des Pumpenlogikmoduls PL06**
-  **Installation du module additionnel**
-  **Installatie van de extra module**



EN: Remove the top cover of the wiring centre.

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

DE: Entfernen Sie den transparenten Deckel der Klemmleiste.

ACHTUNG: Ganz Einheit stromlos setzen bevor Sie das Modul installieren.

FR: Retirez le couvercle du centre de câblage.

Remarque: Avant de connecter le module, débranchez l'alimentation du Centre de câblage KL06.

NL: Verwijder de bovenste cover van het bedringscentrum.

Let op: Voordat u de module verbindt, moet het KL06 bedringscentrum losgekoppeld worden van het elektriciteitsnet.



EN: Connect the module to the serial connector.

DE: Entfernen Sie die beiden „rechten“ Schrauben der Platine. Setzen Sie jetzt das Modul ein und fixieren die Einheit mit 4 Schrauben.

FR: Connectez le module au connecteur série.

NL: Verbind de module met de seriële connector.



EN: 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.

DE: Vergewissern Sie sich, dass alle Kabel korrekt angeschlossen sind. Setzen Sie den transparenten Deckel wieder auf die Klemmleiste und befestigen Sie diesen. Setzen Sie die Einheit unter Strom – die grüne „Power“ LED wird aufleuchten.

FR: Assurez-vous que tous les fils sont correctement connectés, montez le couvercle et allumez le centre de câblage - le voyant LED vert «Alimentation» s'allume.

NL: Alle draden moeten correct verbonden zijn, bevestig de bovenste cover en schakel het bedringscentrum aan - het groene „Power“ indicator LED zal oplichten.