



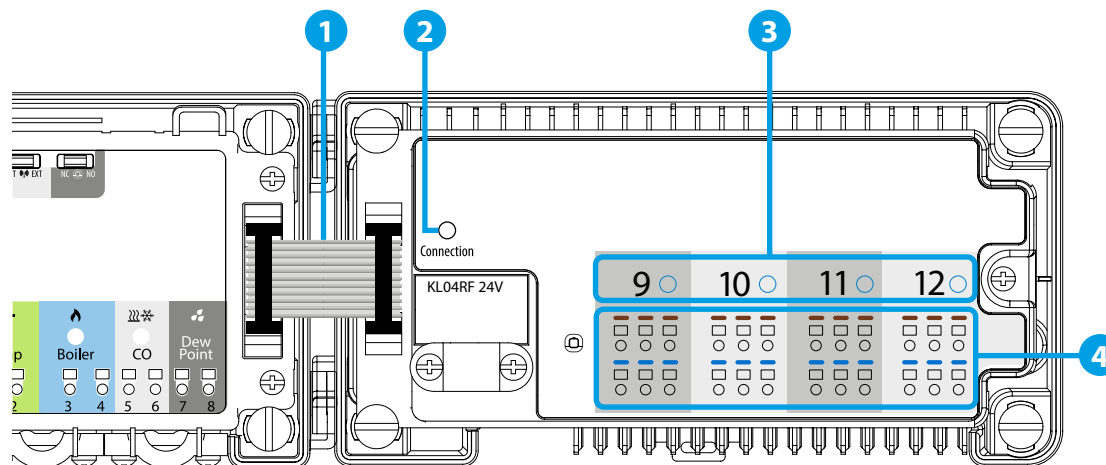
05 2021 (EN)

Manual



Wiring Centre Description

1. Serial Connector + power supply from the main wiring centre
2. Connection diode
3. Work status indication of each zone
4. Output terminals for actuators



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Introduction

The KL04RF 24V module is an extension to the KL08RF 24V wiring centre for an additional 4 heating zones. Works only in combination with KL08RF 24V wiring centre and increases its functionality up to 12 individual heating zones.

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, Radio directive 2014/53/EU and 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 Informations

Use in accordance with national and EU regulations. Device is intended for indoor use only in dry conditions. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations.

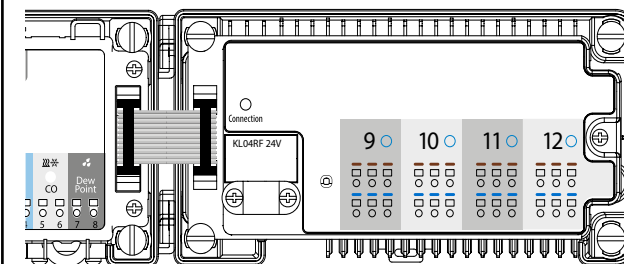
Before attempting to setup and install, make sure that KL04RF 24V is not connected to any power source. Installation must be carried out by a qualified person. Incorrect installation may cause damage to the wiring centre. The KL04RF 24V should not be installed in areas where it may be exposed to water or damp conditions.

Technical Information

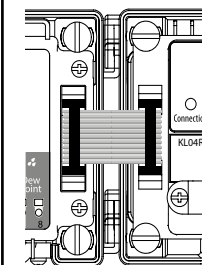
| | |
|-----------------|-------------------------------|
| Power Supply | From KL08RF 24V wiring centre |
| Max load | 3 A |
| Outputs | 24 V AC |
| Dimensions [mm] | 163 x 85 x 67 |

1. Serial connector

It is used for communication between KL08RF 24V wiring centre and KL04RF 24V extension module. Combined set increases support up to 12 zones.



2. Power supply



The KL04RF 24V extension module is powered via the serial connector that connects the module to the KL08RF 24V wiring centre. For the wiring centre KL08RF 24V with the KL04RF 24V extension module, you can choose up to 12 actuators (use 24V actuators).

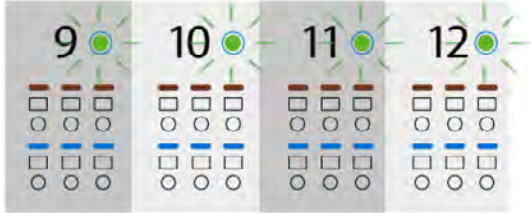
3. Connection diode



If KL04RF 24V module is properly connected to the KL08RF 24V wiring centre, connection diode will light solid red.

4. Work status indication of each zone

Green led diode lights up when the heating demand signal is being transmitted from the thermostat to the given zone (with NC actuators connected).

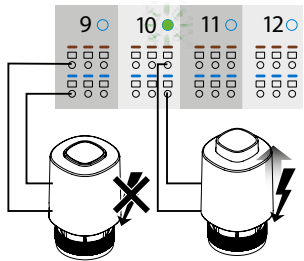


5. Output terminals for actuators

Wires of the thermoelectric actuators should be plugged into the self-locking connectors in the appropriate zones. You can connect 3 actuators directly to one zone. The current load of one zone is adapted to operate with up to 6 thermoelectric actuators with a power of 2 Watts. If there is a need to connect more than 6 actuators please use an additional relay to relieve the output of the zone.



Up to 24 actuators can be connected to the wiring centre KL08RF 24V with the KL04RF 24V extension module.

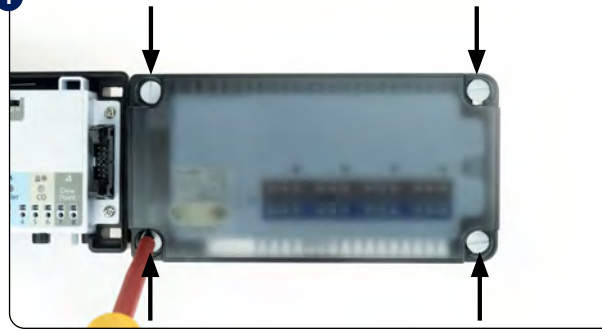


Note: On the actuator contacts, there is voltage 230 V AC during their work.

The operation was explained on the example of T30NC actuators.

INSTALLATION

1



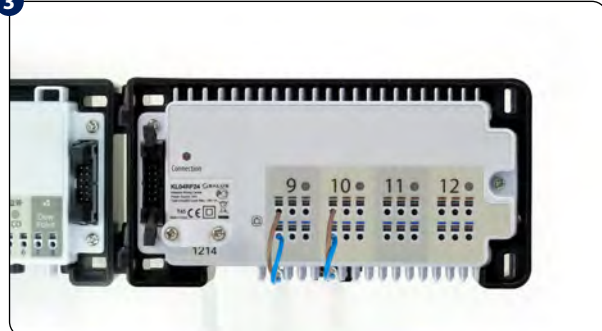
Remove the top cover of the KL04RF 24V.

2



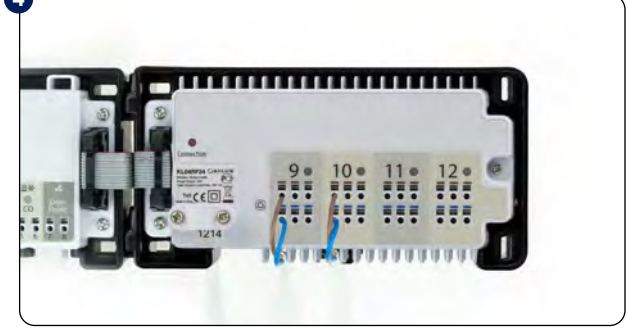
Mount the back side of the housing to the wall.
When mounting on a DIN rail, open the hooks on the back of the housing.

3



Connect the thermoelectric actuators wires.

4



Connect KL08RF 24V and KL04RF 24V using serial connector.

5



Make sure that all the wires are properly connected, mount top cover and power up the wiring centre - "Power" and "Connection" red LED diodes will light up indicating the correct connection with the KL08RF 24V wiring centre.