Operating instructions

Gira
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Elektro-Installations-
Systeme

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Terminal strip, 6-gang 230 V
2479 00

Heating, ventilation, air conditioning

GIRA

Safety information

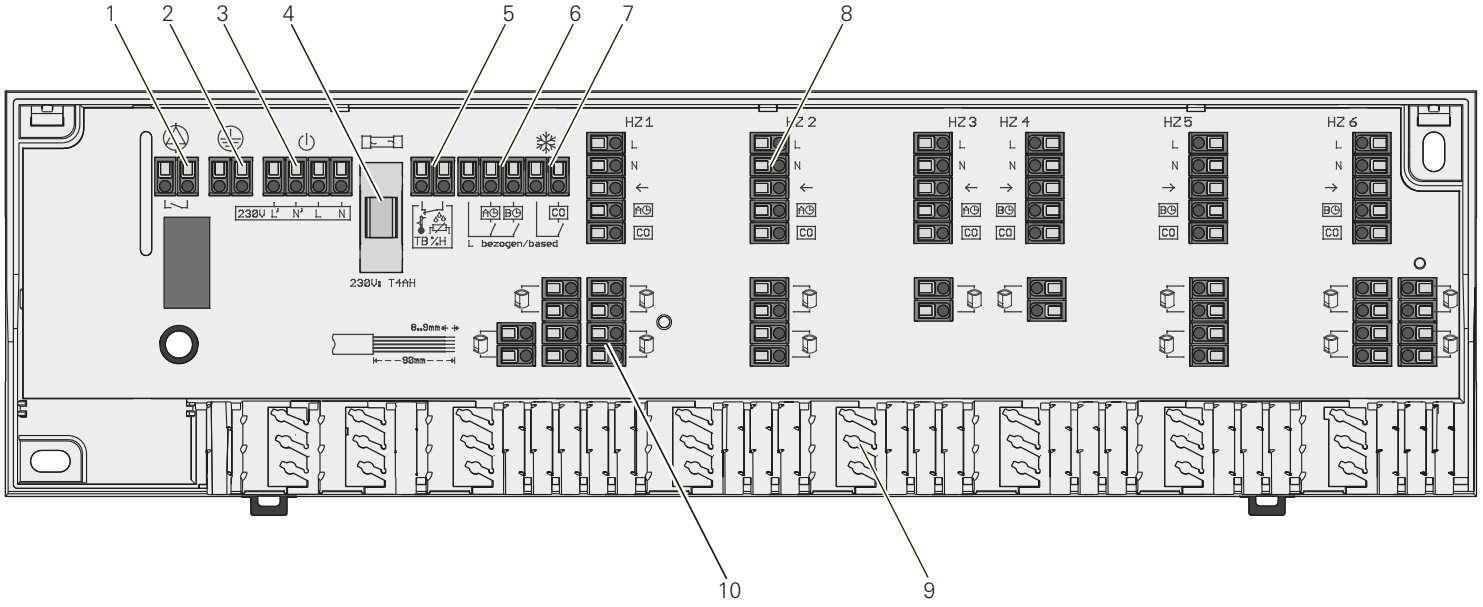
Electrical devices may only be installed and connected by a qualified electrician.

Serious injury, fire or damage to property possible. Read and observe these instructions completely.
Danger of electric shock. Isolate before working on the device or load. In doing so, take all circuit breakers supplying dangerous voltage to the device or load into account.
These instructions are an integral part of the product and must remain with the end customer.

Intended use

The terminal strip is for
- setting up a single-room control with up to 6 heating zones for heating and cooling systems,
- connecting up to 15 servos and 6 room temperature controllers,
- connecting servos with NC (normally closed) operation,
- connecting to an external timer,
- connecting to a pump, a heating/cooling switchover, a temperature limiter or dew point sensor,
- fixed installation.

Device components



1. Pump connection
2. Protective conductor connection
3. Power supply
4. Fuse
5. Temperature limiter or dew point sensor
6. Lowering temperature (ECO) via master clock
7. Heating/cooling mode switchover
8. Room temperature controller connection
9. Strain relief
10. Servo connection

Installation

1. Remove the cover.
2. Mount the terminal strip.
   In the case of wall mounting, secure the terminal strip with two Ø 4 mm screws and appropriate wall plugs depending on the wall structure and materials.
   - or
   Mount the terminal strip on the top-hat rail.
3. Establish the electrical connection, see “Electrical connection”.
4. Mount the cover.

Technical data

Operating voltage:	230 V ±10%, 50 Hz
Power consumption:	230 V, max. 50 VA
Protection:	T4AH
Number of heating zones:	6
Connectible servos	max. 15
Switch-on current per servo:	max. 500 mA
Pump control switching capacity:	2 A, 200 VA inductive
Operation:	NC
Ambient temperature:	0 to +50 °C
Storage temperature:	-20 to +70 °C
Ambient humidity:	80% non-condensing
Temperature ball thrust test:	Connection terminals: 100 °C Plastic housing: 75 °C
Pollution level:	2
Rated surge voltage:	1500 V
IPC class according to EU 811/2013:	1=1%
Protection class:	II
Protection type:	IP 20
Mode of action:	Type 1.C
Clampable conductor cross-section	0,2 bis 1,5 mm^2
Dimensions (H x L x D):	90 x 326.5 x 50 mm

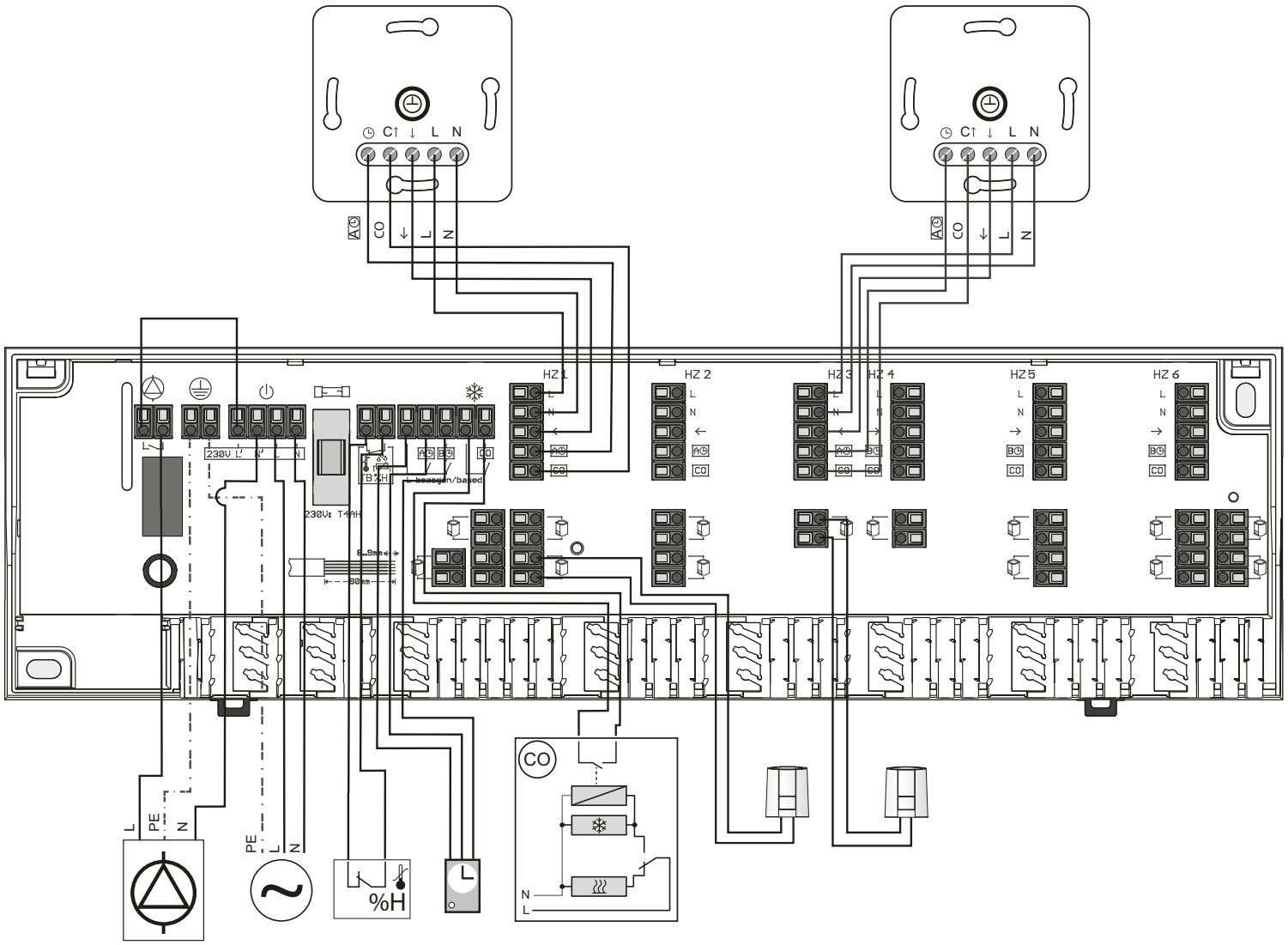
Electrical connection

DANGER!

Risk of death from electric shock.

Disconnect the device. Cover any live parts.

- The cable cross-sections must measure 1.5 mm^2 for connecting the power supply.
- A temperature limiter/dew point sensor can be connected on contact TB/%H. If this contact is not used, it must be bridged (performed at the factory). As soon as a connection is made at contact TB/%H, the bridge must be removed. The temperature limiter/dew point sensor must be designed as a normally closed contact.
- The connected room temperature controller and servos must match the connected supply.



Room temperature controller

Servo

Pump

Power supply

%H Temperature limiter/dew point sensor

System clock

CO Heating/cooling mode switchover

Cooling

Heating

Warranty

The warranty is provided in accordance with the statutory requirements via the retailer.
Please submit or send faulty devices postage paid and with a fault description to your sales representative (retailer / installation company / electronics retailer).
They will forward the devices to the Gira Service Centre.