GIRA

Room temperature controller insert with sensor connection
Order no.: 5395 00

Operating instructions

1   Safety instructions

Electrical devices may only be mounted and connected by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Danger of electric shock. Always disconnect before carrying out work on the device or load.

Danger of electric shock. A connected remote sensor is connected to mains potential. Only use the remote sensor listed under Accessories. Replace remote sensor with damaged insulation immediately.

These instructions are an integral part of the product, and must remain with the end customer.

2   Intended use

– Switching of electric underfloor heating systems and electrothermal valve drives
– Operation with room temperature controller cover from system 3000
– Mounting in appliance box according to DIN 49073

3   Product characteristics

– Output signal: pulse width modulation (PWM) or two-point control (on/off)
– Enables connection of a remote sensor (accessory)
– Input for switching to cooling mode
– Interrupts the heating process after 60 minutes (overheating protection of a heater)

4   Information for electrically skilled persons

DANGER!

Mortal danger of electric shock.

Disconnect the device. Cover up live parts.

Connecting and fitting the device

Recommended installation height: 1.50 m.

ℹ️   When using the integrated temperature sensor of the cover: Do not mount near sources of interference, such as electric cookers, refrigerators, draughts or direct sunlight. This influences the temperature measurement of the cover.
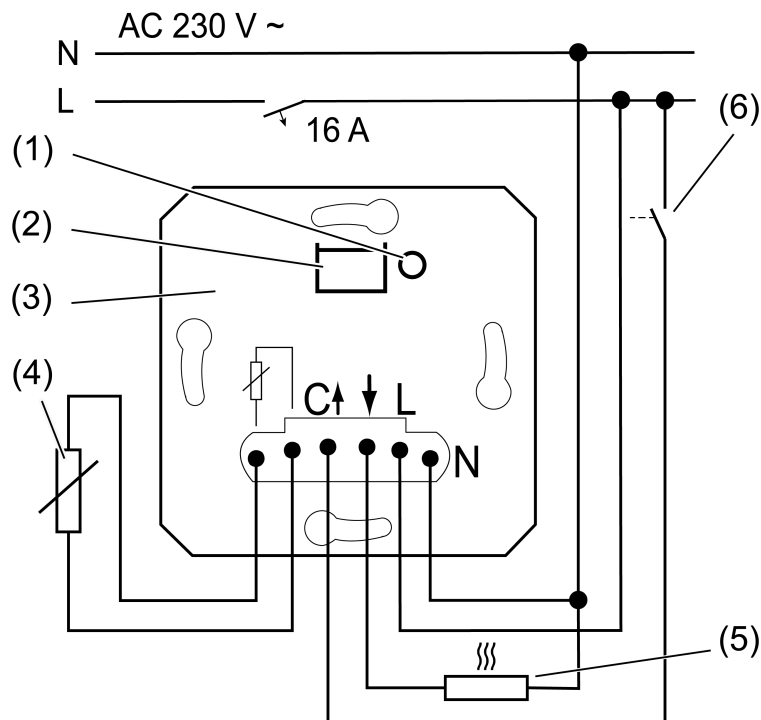
Figure 1: Connection example of the insert

(1)   Button **TEST**
(2)   Cover interface with LED
(3)   Insert
(4)   Remote sensor for external temperature measurement
(5)   Electric underfloor heating or electrothermal valve drive
(6)   Switching contact for switching to cooling mode

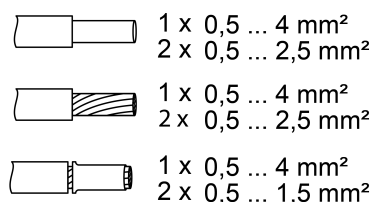|	
	1 x 0,5 ... 4 mm² 2 x 0,5 ... 2,5 mm²
	1 x 0,5 ... 4 mm² 2 x 0,5 ... 2,5 mm²
	1 x 0,5 ... 4 mm² 2 x 0,5 ... 1,5 mm²

Figure 2: Terminal-specific cable cross-section:

- Connect insert (3) according to the connection diagram (Figure 1). Note clampable cable cross-sections (Figure 2).
- Optionally connecting external remote sensor (4) (accessory).
- Install insert in appliance box, device connection terminals must be at the bottom.
- Attach the frame and the cover.
- Switch on mains voltage.
- [i] The load can be switched by briefly pressing the **TEST** button (1). LED (2) lights up when the load is switched on.
- [i] If 230 V is applied to input C, cooling mode is active.
- [i] The insert works exclusively with room temperature controller covers. All other covers are without function.

5   Technical data

Rated voltage	AC 230 V~
Mains frequency	50 / 60 Hz
Switching current	10 mA ... 16 A (AC1)
Standby load depending on the cover	approx. 0.1 ... 0.5 W
Connected load	max. 3600 W
Ambient temperature	-5 ... +45 °C

6   Accessories

Remote sensor	Order no. 1493 00

7   Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade. Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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