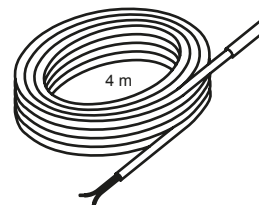
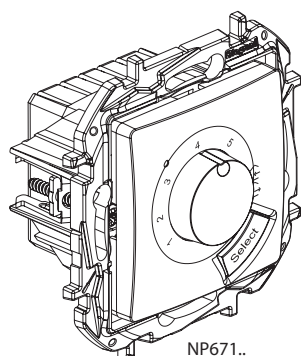


Niloé™ THERMOSTAT (FLOOR HEATING) German standard

Cat. No(s): NP671BK/MG/WH



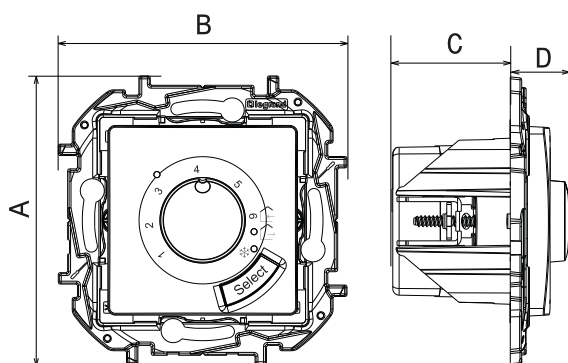
1. USE

Control device for programming and regulating heating units for floor heating systems.
Delivered with sonde (4 m).
With N/O free contact and LED.
Mechanisms to be equipped with finishes
Screw or claw fixing.

2. RANGE

Description	White	Medium Grey	Black
Floor heating thermostat	NP671WH	NP671MG	NP671BK

3. DIMENSIONS (mm)



A	B	C	D
75.8	75.8	31.1	15.4

4. CONNECTION

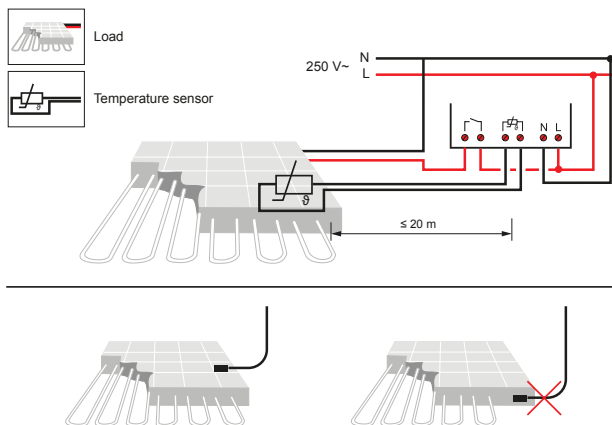
Number of terminals: 6
Type of terminals: with screws

Terminal capacity:
2 x 1.5 mm² flexible or rigid cable

Stripping length:
6 mm

Tool:
flat screwdriver 3.5 mm

5. WIRING



6. FUNCTION

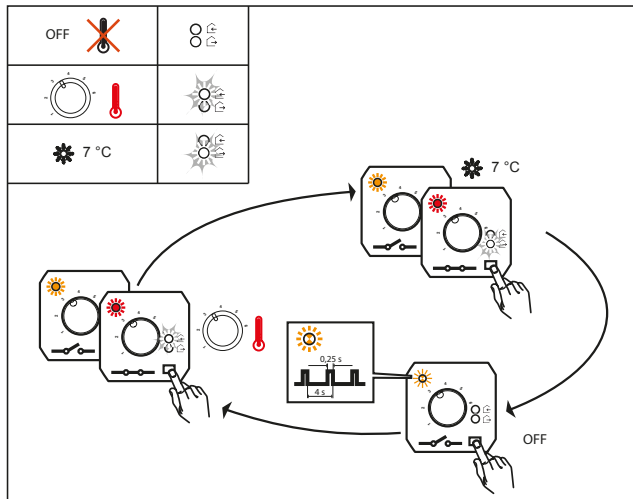
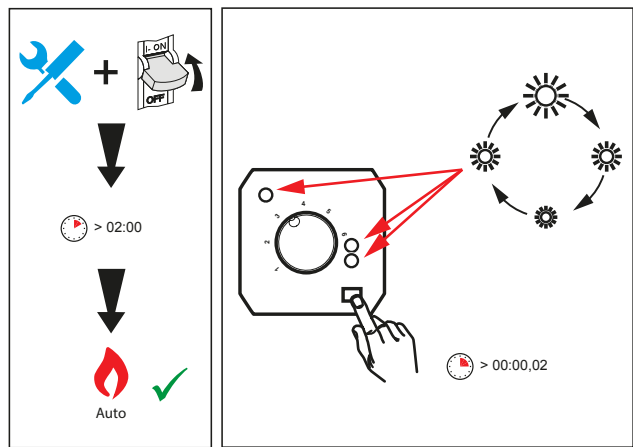
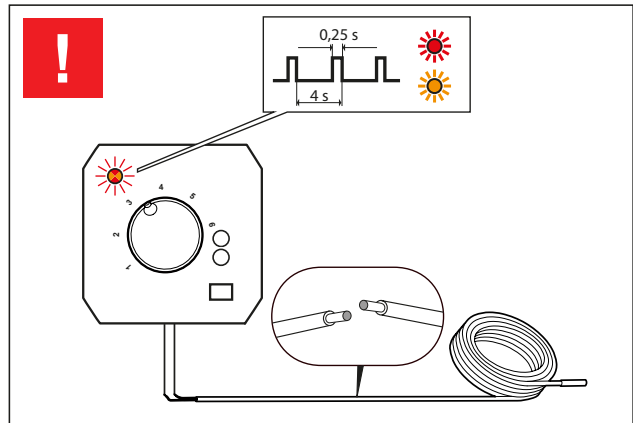
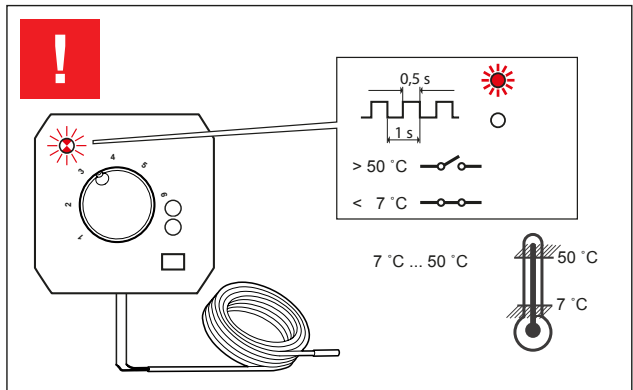
The thermostat (heating/cooling) is equipped with a temperature sensor and provides a changover relay switched depending on the ambient temperature.

The regulation is ensured by an algorithm with a pulse-width controlled output (0...100% thus ensuring a minimal temperature variation relative to the ambient temperature

Setting range from room temperature: from 7°C to 40°C

Setting range of the floor temperature:
- max: from 25°C to 50°C
- min: from 7°C to 30°C

■ 6.1 Setting the room temperature (internal sensor)



The external probe is used to limit the temperature in the floor.

- 3 positions for adjusting the floor temperature:
- choice of a maximum temperature (+25°C, +50°C)
 - choice of a minimum temperature (+7°C, +30°C)
 - no temperature measurement (OFF)

Example: Ambient temperature set to 14°C with a protective low temperature set to 10°C, the relay will be switched on as soon as one of the two temperatures will be lower than the respective directions.

7. TECHNICAL CHARACTERISTICS

■ 7.1 Mechanical characteristics

Protection against solid bodies and liquids: IP 40
Protection against impacts: IK 02

■ 7.2 Material characteristics

Polyglass appearance
Material: - Mechanism casing: PC
- Support: PC grey RAL 7037 + metal
- Claws: Steel

Halogen free
UV resistant

Self-extinguishing:
+ 850° C / 30 s for insulating parts holding live parts in place
+ 650° C / 30 s for other parts made of insulating materials.

■ 7.3 Electrical characteristics

Voltage: 250 V~
Current: 16 A
Frequency: 50/60 Hz

■ 7.4 Climatic characteristics

Storage and usage temperature: - 10° C to + 70° C
Cooling temperature: - 5° C to + 40° C

8. CLEANING

Surface cleaning with a cloth.

Do not use: acetone, tar remover, trichloroethylene.

Maintenance with the following products:
Hexane, Methylated spirit, Soapy water, Diluted ammonia, pure bleach diluted to 10%, Window-cleaning products, pre-impregnated wipes.

Caution: A preliminary test should be carried out if other specific cleaning products are to be used

9. STANDARDS AND APPROVALS

The undersigned, LEGRAND, declares that the radio-electric equipment type (Cat. Nos NP671BK/MG/WH) complies with directive 2014/53/EU. The full text of the EU declaration of conformity is available on the following website: www.legrand.com/ecatalogue