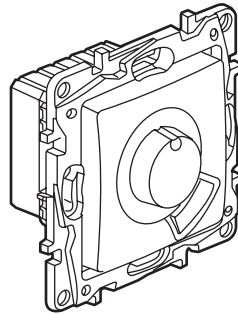


Niloé™ Room thermostat with pilot wire

Cat. No(s): 6 647 87 - 6 648 87



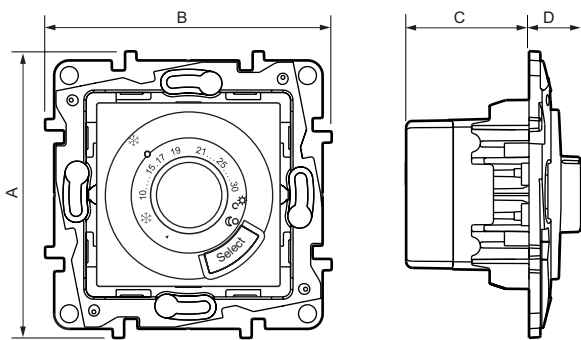
1. USE

Control device for programming and regulating heating units for radiant ceiling panels and floor heating systems.
 Mechanism to be equipped with faceplates.
 Flush-mounting or surface-mounting installation.

2. RANGE

| Description | White | Ivory |
|---|----------|----------|
| Room thermostat Can be used with energy manager Cat. No. 0 038 21 via pilot wire input. Can be used with a timer for comfort or economy mode. | 6 647 87 | 6 648 87 |

3. OVERALL DIMENSIONS (mm)

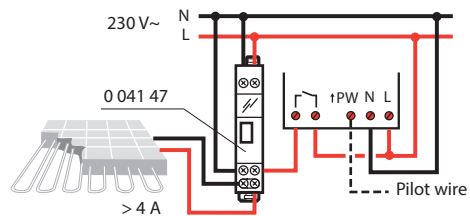
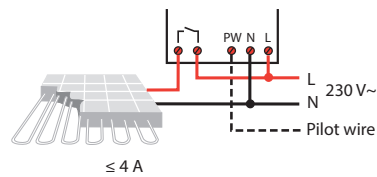


| A | B | C | D |
|------|------|------|------|
| 75.8 | 75.8 | 32.5 | 14.5 |

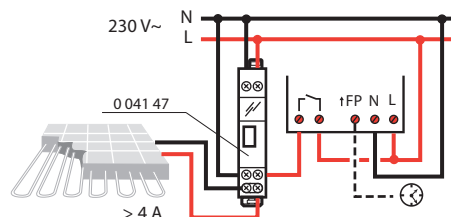
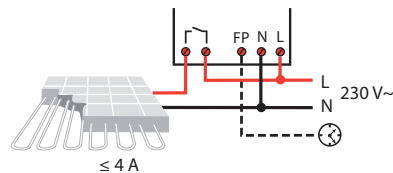
4. CONNECTION

Number of terminals: 5
 Type of terminals: with screws
 Terminal capacity: 2 x 1.5 mm² flexible or rigid
 Stripping length: 6 mm
 Screwdriver: flat 3.5 mm

■ 4.1 Wiring: Operation with pilot wire (6 GIEAM commands)



■ 4.2 Wiring: Operation with programmable time switch (Comfort/Economy)



Room thermostat with pilot wire

5. OPERATION

Breaking capacity: 4 A max.

Adjustment range from 7 to 30° C using the control dial.

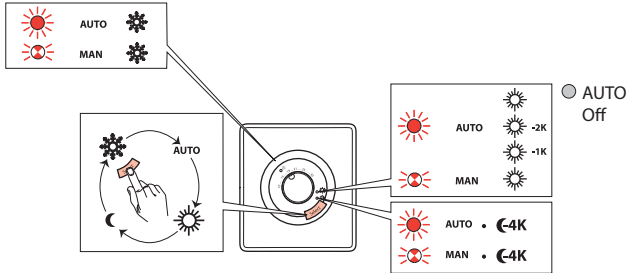
1 function associated with the selection dial:

- short press: selects the regulation mode (comfort, economy, frost protection)

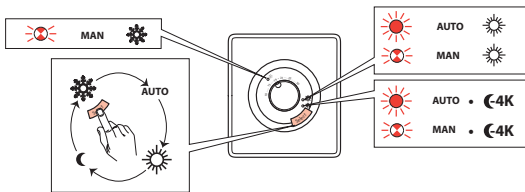
Adjustment accuracy: $\pm 0.5^\circ$

4 A NO or NC contact relay.

Adjustment (thermostat controlled by pilot wire):



Adjustment (thermostat controlled by programmable time switch):



Key

- Operation in automatic mode (thermostat controlled by pilot wire or time switch)
- Operation in manual mode (thermostat controlled by user)
- Frost protection
- Comfort mode
- Economy mode (4° C lower than comfort mode)

6. TECHNICAL CHARACTERISTICS

■ 6.1 Mechanical characteristics

Protection against solid bodies and liquids: IP 30

Impact test: IK 04

■ 6.2 Material characteristics

- Mechanism housing: Polycarbonate

- Rocker: ABS

- 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.

■ 6.3 Climatic characteristics

Voltage: 230 V~

Current: 16 A

Frequency: 50/60 Hz

■ 6.4 Climatic characteristics

Storage temperature: 0° C to +40° C

Use temperature: +7° C to +60° C

7. CLEANING

Surface cleaning with a cloth.

Do not use: acetone, tar remover, trichloroethylene.

Maintenance with the following products: Hexane (EN 60669-1), Methylated spirit, Soapy water, Diluted ammonia, Bleach diluted to 10%, Window-cleaning products.

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

8. STANDARDS AND APPROVALS

Compliant with installation and manufacturing standards.

See e-catalogue.