Niloé™
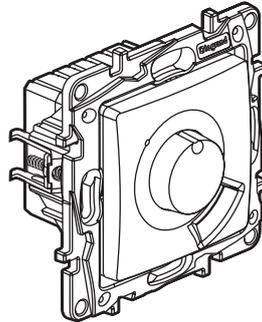# Room thermostat with pilot wire
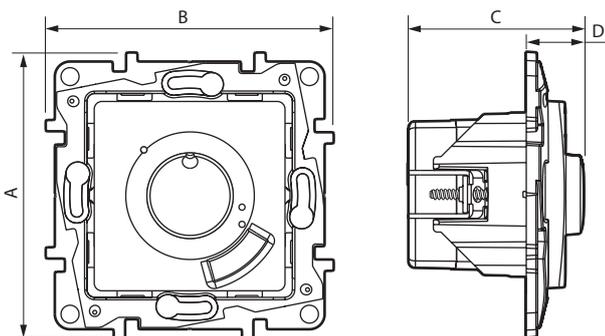
Cat. No(s): 7 645 87 - 7 646 87

1. USE

This thermostat can control heaters type convectors / radiant heaters or direct heating floors and ceilings.
It can also be used with heated floors or ceilings.
The thermostat is equipped with a terminal for a pilot wire. With this wire, the thermostat can be controlled remotely using the standard driver wireless feature signals.
It interprets the following six orders: comfort, comfort-1, 2-comfort, eco, frost-stop.

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. To be equipped with plate.	7 645 87	7 646 87

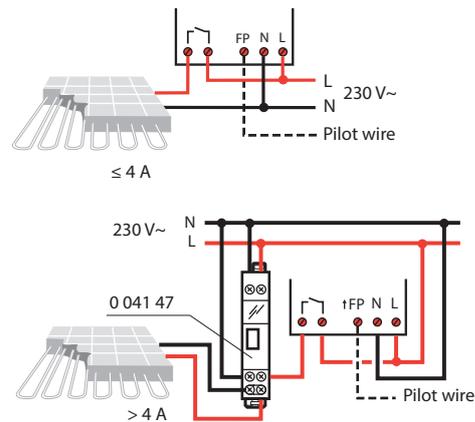### 3. DIMENSIONS (mm)

A	B	C	D
76	76	46.5	15.5

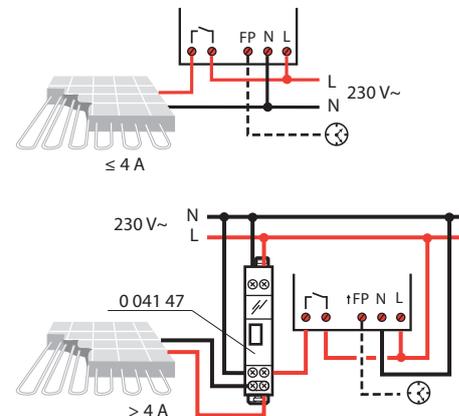### 4. CONNECTION

Nmber of terminals: 5
Type of terminals: with screws
Terminal capacity: 1 x 2.5 mm² flexible or rigid
Stripping length: 6 mm
Screwdriver: flat 3.5 mm

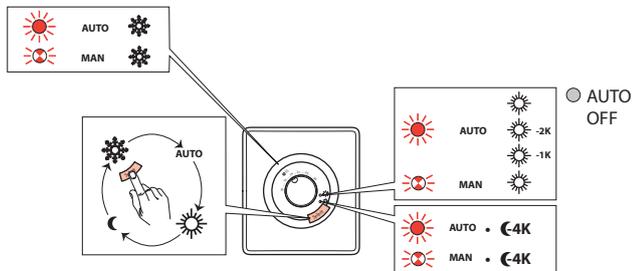■ **4.1 Wiring: Operation with pilot wire**
      (6 GIFAM commands)

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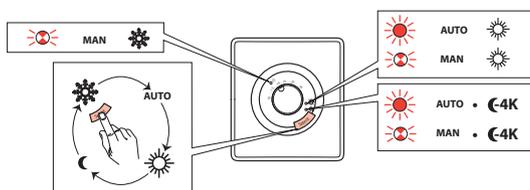   **(Comfort/Economy)**

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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: ± 0.5°
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
Protection against impact: IK 04

■ 6.2 Material characteristics
Polyglass appearance
Colour : - White RAL 9003
         - Ivory RAL 1013
Material: - Cover plate and rocker: ABS
           - Halogen-free
           - UV-resistant
Material of the support: - PC grey RAL 7037 + 10% glass fiber
                         - Halogen-free
Self-extinguishing:
850°C/30 s for insulating components holding live parts in place.
650°C/30 s for other insulating components.

■ 6.3 Electrical characteristics
Voltage: 230 V~
Current: 8 A
Frequency: 50/60 Hz

■ 6.4 Climate characteristics
Storage temperature: - 10°C to +70°C
Usage temperature: +7°C to +40°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: Always test before using other special cleaning products

8. STANDARDS AND APPROVALS

Compliant with installation and manufacturing standards.
See e-catalogue.