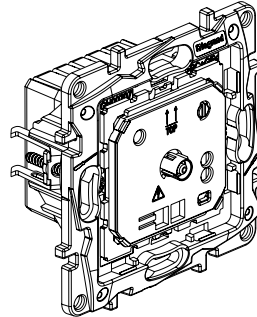


Niloé™ Step Electronic room thermostat

Cat. No(s): 8 640 67 - 8 641 67
 8 643 67 - 8 645 67
 8 646 67



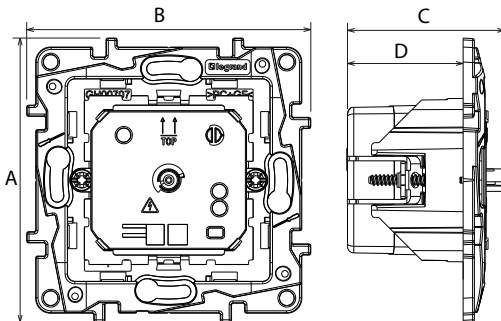
1. USE

Regulation control heating equipment or cooling system.
 Mechanisms to be equipped with finishes.

2. RANGE

Description	Mechanism only	Cover plate only			
		White	Aluminium	Black	Sand
Electronic room thermostat with sensor.	8 640 67	8 641 67	8 643 67	8 645 67	8 646 67

3. OVERALL DIMENSIONS (mm)

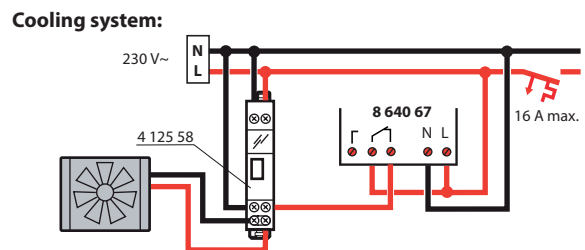
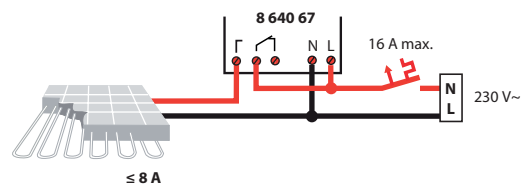
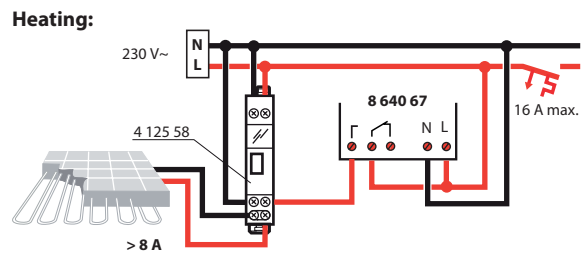


A	B	C	D
75.8	75.8	42	31

4. CONNECTION

Number of terminals: 5
 Type of terminals: with screws
 Terminal capacity: 2 x 2.5 mm² flexible or rigid
 Stripping length: 6 mm
 Tool: flat screwdriver 3.5 mm

5. WIRING



Maximum operation distance: 50 m

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.

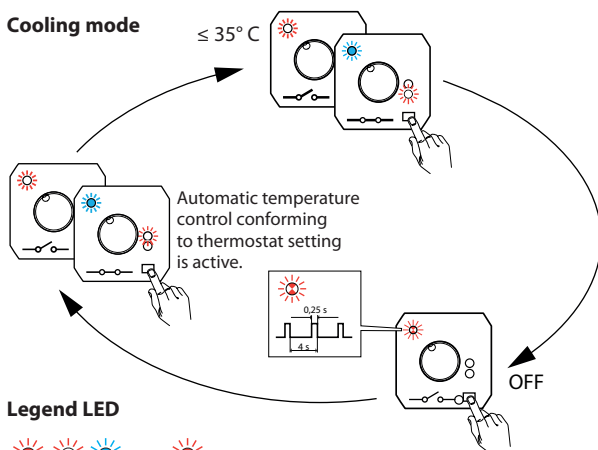
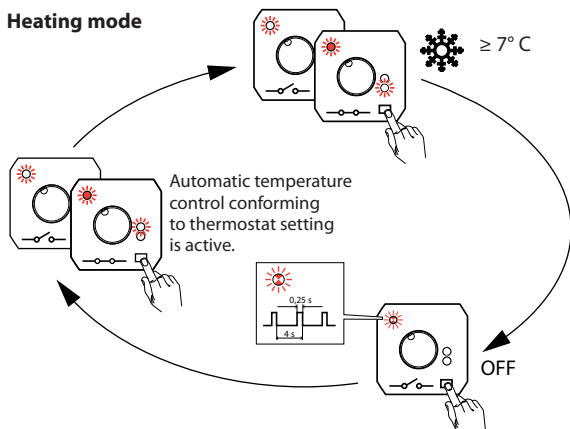
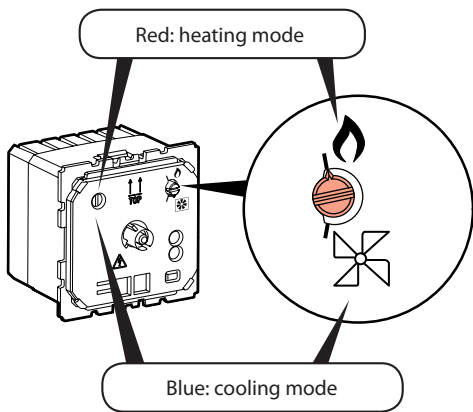
Setting range 10-30 °C by using the rotary knob.

A short press on the "select" button cycles between the modes comfort -> frost -> off -> comfort and so on.

A long press on the "select" button adjusts the brightness of the LEDs.

Regulation accuracy: < 0.5 °C for a conventional installation and maximum load of 8 A.

Heating/cooling change by rotaring knob under the frontcover.



Legend LED



7. TECHNICAL CHARACTERISTICS

■ **7.1 Index of protection**

Protection against solid bodies and liquids: IP 21
 Protection against impacts: IK 04

■ **7.2 Material characteristics**

Polycarbonate
 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: 230 V~
 Current: 16 A
 Frequency: 50/60 Hz

■ **7.4 Climatic characteristics**

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

8. CLEANING

Clean the surface with a cloth.

Do not use acetone, tar-removing cleaning agents or trichloroethylene.

Resistance to the following cleaning substances:

Hexane (EN 60669-1), Methylated spirit, Soapy water, Diluted ammonia, Diluted pure bleach 10%, Glass cleaning product.

Caution: An initial test is required for the use of other special maintenance products.

9. STANDARDS AND APPROVALS

Compliance with standards of installation and manufacturing.
 Refer to e. catalogue.