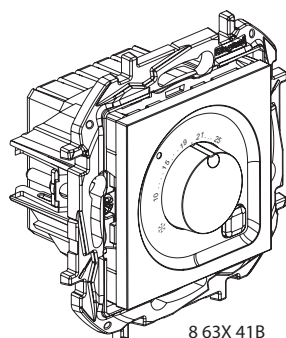


# **Niloe™ STEP** **THERMOSTAT (NORMAL)** **German standard**

**Cat. No(s): 8 631 41B - 8 633 41B - 8 634 41B - 8 635 41B**



8 63X 41B

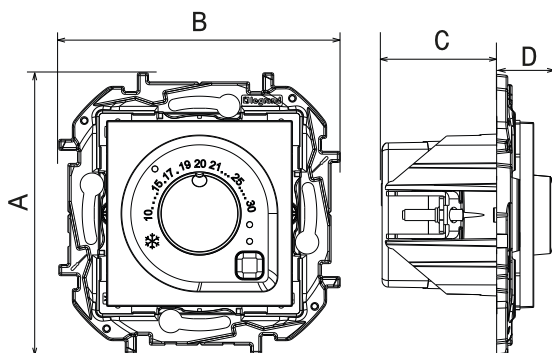
## 1. USE

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

## 2. RANGE

Description	White	Aluminium	Medium Grey	Black
Standard thermostat.	8 631 41B	8 633 41B	8 634 41B	8 635 41B

## 3. DIMENSIONS (mm)



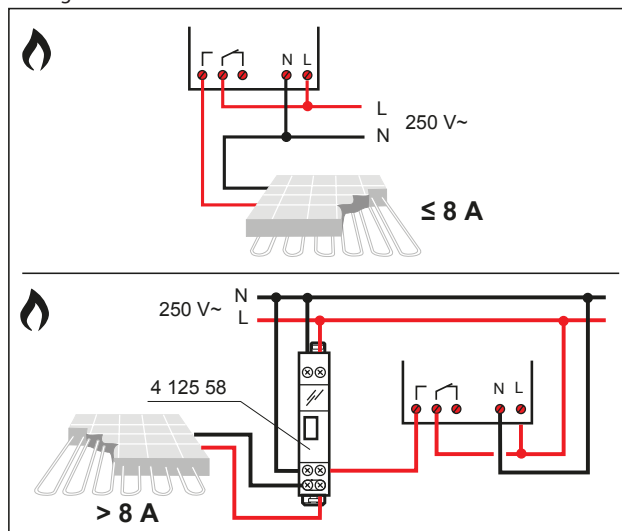
A	B	C	D
75.8	75.8	31	15.5

## 4. CONNECTION

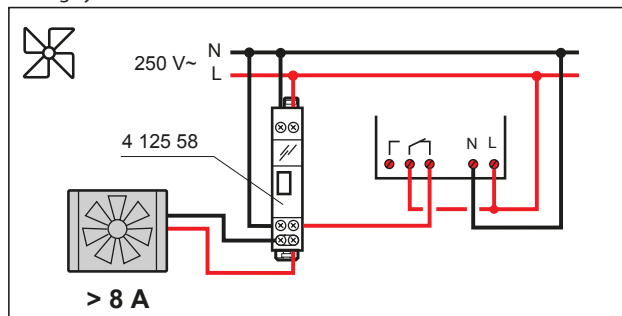
Number of terminals: 5  
Type of terminals: with screws  
Terminal capacity: 2 x 1.5 ...4 mm<sup>2</sup> flexible or rigid cable  
Stripping length: 6 mm  
Tool: flat screwdriver 3.5 mm or PZ1

## 5. WIRING

Heating:



Cooling system:



## 6. FUNCTION

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

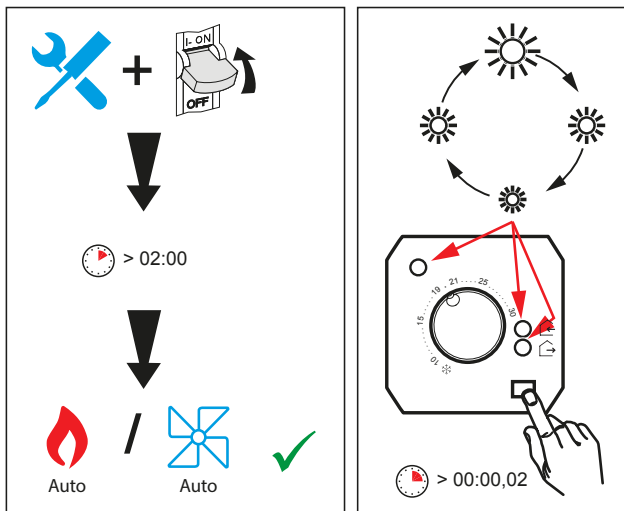
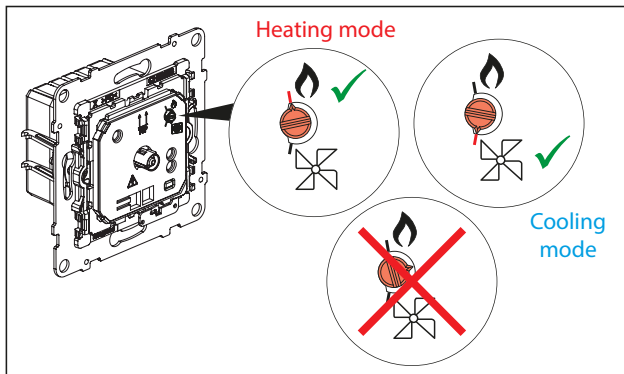
The regulation is ensured by an algorithm with a pulse-width controlled output (0...100% thus ensuring a minimal temperature variation relative to the ambient temperature

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

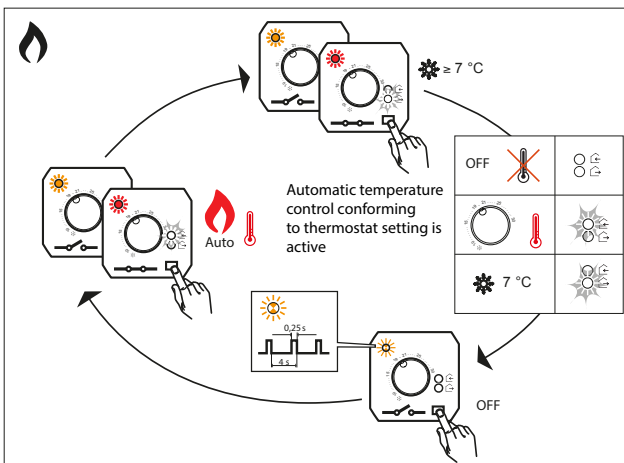
A short press on the "select" button cycles between the modes comfort -> frost -> off -> comfort and so on.

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

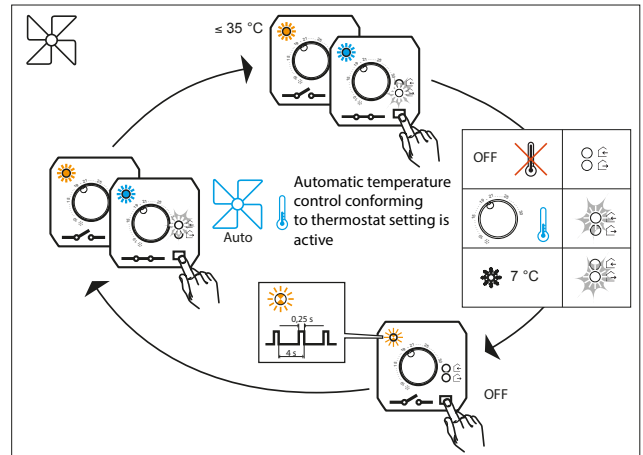
Heating/cooling change by rotating knob under the frontcover



Heating mode:



Cooling mode:



Legend LED



## 7. TECHNICAL CHARACTERISTICS

### 7.1 Mechanical characteristics

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

### 7.2 Material characteristics

- Mat appearance
- Mechanism casing: PC
- Support: PC grey + 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: 230 V~

Current: 8(2) A

Frequency: 50/60 Hz

### 7.3 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 8 631 41B - 8 633 41B - 8 634 41B - 8 635 41B) 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](http://www.legrand.com/ecatalogue)