



# Installation and user manual



Heating and  
Cooling



Night set  
back mode

**Unisenza** - Dial Thermostat

EN





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## 1 SAFETY WARNING

During installation and operation of the device, it is necessary to comply with the following instructions:

- 1) The device must be installed by a skilled person, in strict compliance with the connection diagrams.
- 2) Do not power on or connect the device if any part of it is damaged.
- 3) After installation, inaccessibility to the connection terminals without appropriate tools must be granted.
- 4) The device must be installed and activated in compliance with current electric systems standards.
- 5) Before accessing the connection terminals, verify that the leads are not live.

## 2 TECHNICAL SPECIFICATIONS

- Purpose of control: electronic thermostat;
- Construction of control and whether the control is electronic (see above example);
- Setting range: +5/+30 °C;
- Supply voltage: 230 V~ ±10 % - 50/60 Hz;
- Power consumption: 3 W;
- Capacity of the contacts: 2 (1) A 230 V~ (not voltage free);
- Type of automatic action: 1;
- Construction: Class II;
- Ingress protection: IP 30;
- Operating temperature: 0 °C...40 °C;
- Operating humidity: 20 %...90 % rH non condensing;
- Storage temperature: -20 °C...60 °C;
- Shock load voltage: 2,5 KV;
- Temperature for Ball Pressure Test: 90° C;
- Pollution degree: 2 (normal).

## 3 REFERENCE STANDARDS

Conformity with EU directives:

2014/35/EU (LVD)

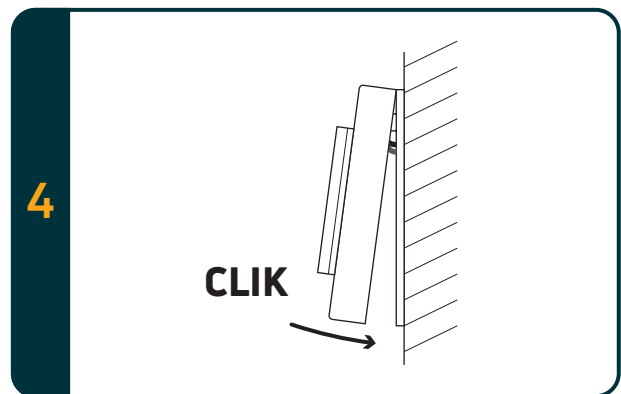
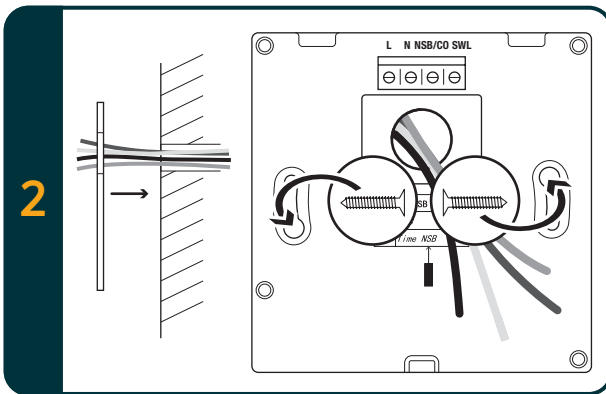
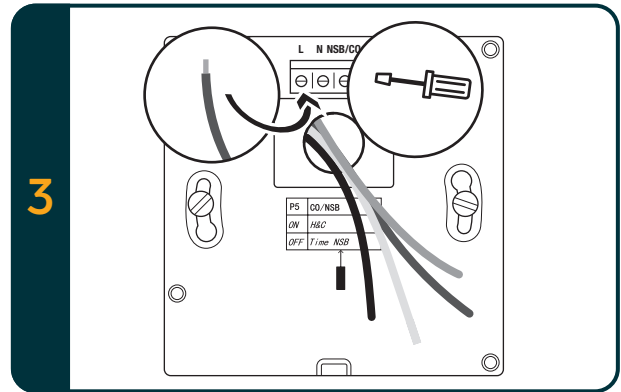
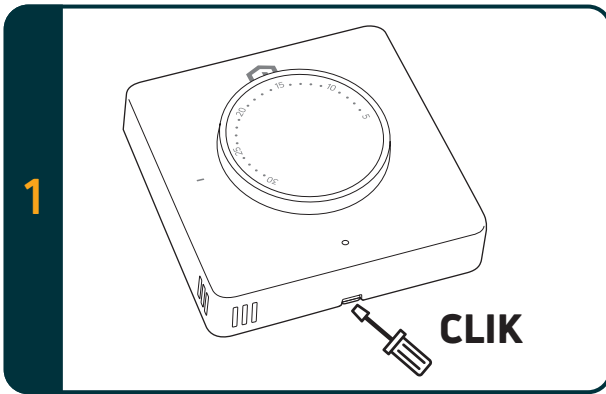
2014/30/EU (EMCD)

is declared with reference to the following standard:

- EN 60730-2-9: Automatic electric command devices for household and similar use.  
Part 2: particular provisions for thermosensitive command devices.

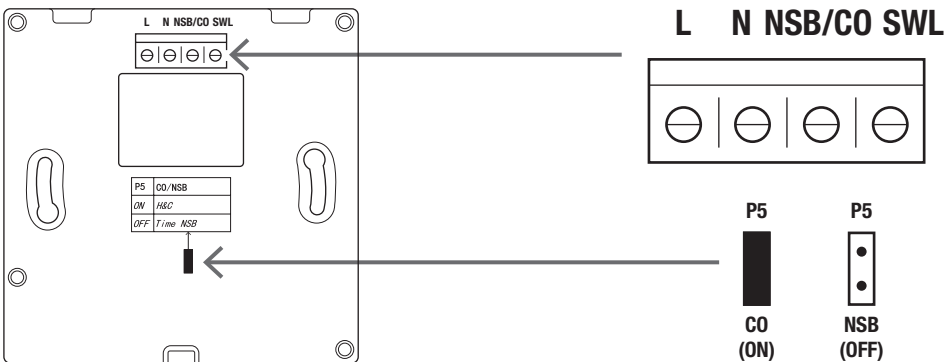
## 4 INSTALLATION AND ELECTRICAL CONNECTION

### 4.1 Wall fixing



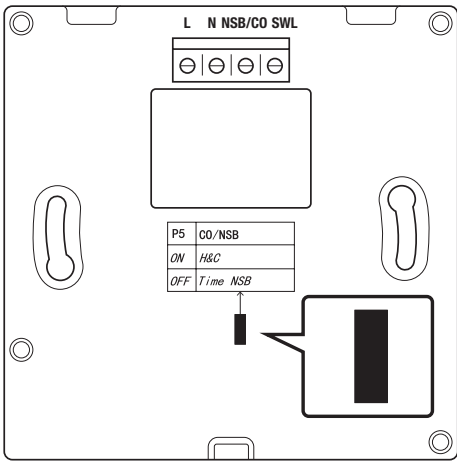
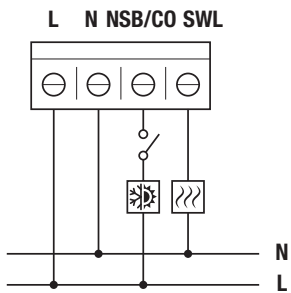
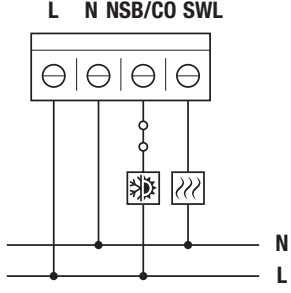
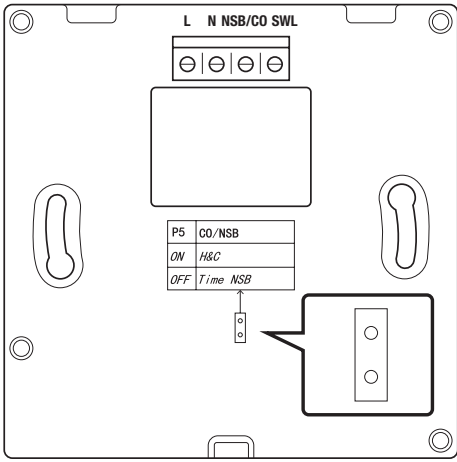
### 4.2 Wiring diagram

#### 4.2.1 Thermostat terminals description

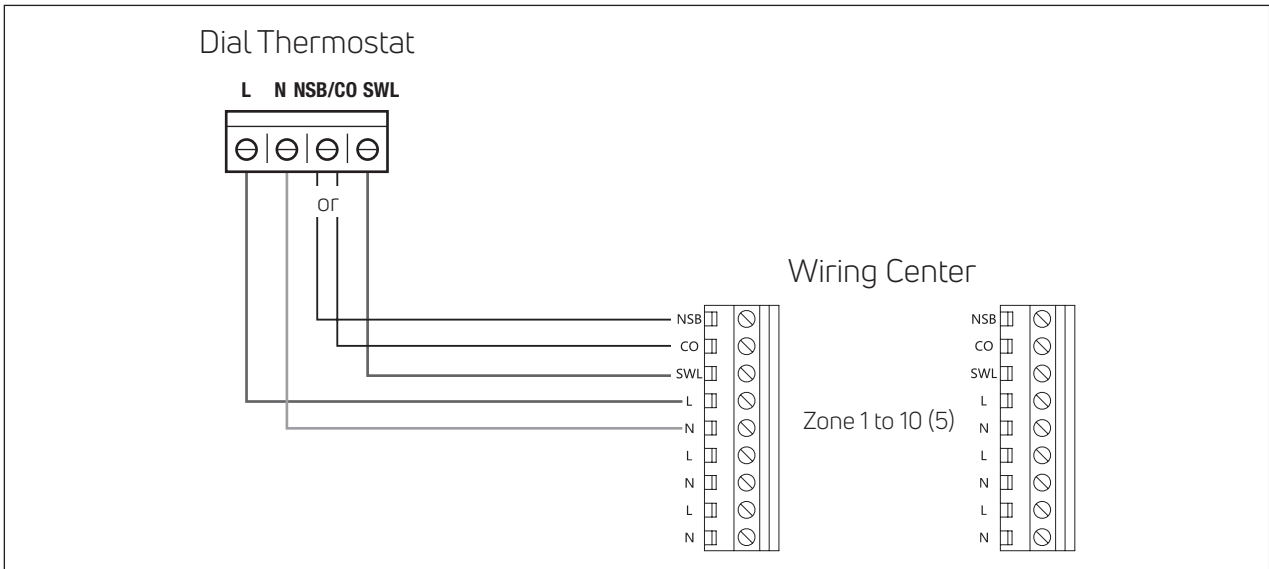


Terminals	230 Vac version	24 Vac version
1. L	Live input 230 Vac	Live input 24 Vac
2. N	Neutral input 230 Vac	Neutral input 24 Vac
3. NSB with jumper (P5) OFF	Night set back input (Live 230 Vac input: reduced mode)	Night set back input (Live 24 Vac input: reduced mode)
3. CO with jumper (P5) ON	Heating and Cooling input (Live 230 Vac input: cooling)	Heating and Cooling input (Live 24 Vac input: cooling)
4. SWL	Switch output (Live 230 Vac during request)	Switch output (Live 24 Vac during request)

4.2.2 Type of wirings

Functions	Jumper	Wiring diagram
<p>Heating and cooling function</p>	 <p>Jumper ON</p>	 <p>No Live on CO/NSB terminal: Heating with temperature setpoint setting by the knob</p>  <p>Live on CO/NSB terminal: Cooling with temperature setpoint setting by the knob</p>
	<p>NSB function</p>	 <p>Jumper OFF</p>

### 4.2.3 Connection to the Wiring Centre



**Note:**

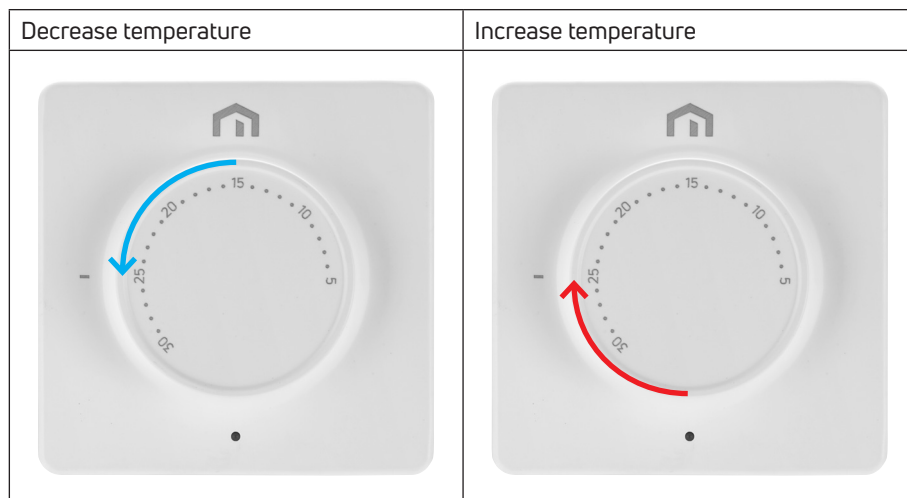
- CO connection is optional. It's needed to use change over function. (Further explanation in Wiring center manual).
- NSB connection is optional. It's needed to use night setback function. (Further explanation in Wiring center manual).

## 5 USER GUIDE

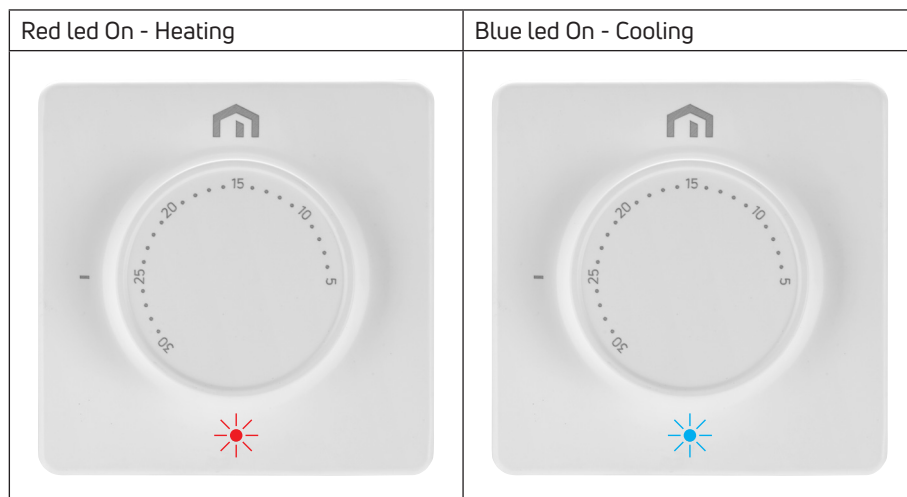
### 5.1 Description



### 5.2 Setting the temperature setpoint



### 5.3 Operating status indicator



## 6 WEEE DIRECTIVE APPLICATION - DIRECTIVE 2012/19 / EU



The crossed-out wheeled bin symbol indicates that within the European Union all electrical and electronic products at the end of their useful life must be collected separately from other waste.

Do not dispose of this equipment in unsorted municipal waste. Assign the equipment to the appropriate collection centers for electrical and electronic waste or return it to the retailer when purchasing a new equivalent type of equipment.

Appropriate separate collection of equipment to start the subsequent recycling, treatment and environmentally compatible disposal helps to avoid possible negative effects on the environment and health due to the presence of hazardous substances in electrical and electronic equipment and resulting from an incorrect disposal or improper use of the same equipment or parts thereof, the separate collection also favors the recycling of the materials of which the equipment is composed.

The current legislation provides for sanctions in case of illegal disposal of the product.

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