finder
RELAYING INNOVATION

Thermostats

- Comfort
- Energy savings
- Ecological
- Flexibility
- Heating and cooling
- Building automation



1T
SERIES

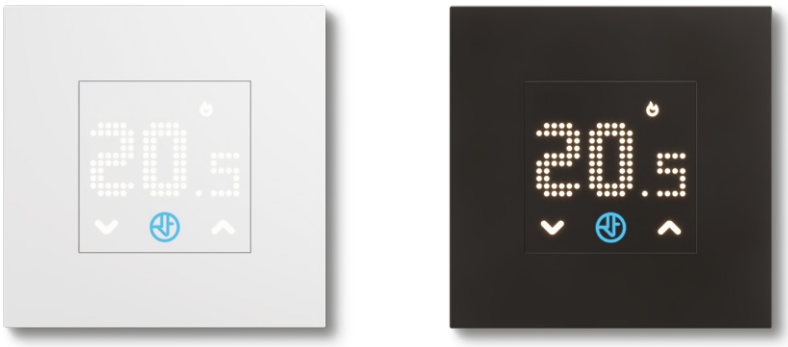
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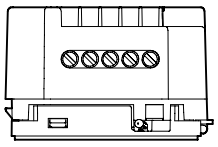
Flush-mounted thermostat 110…230 V AC

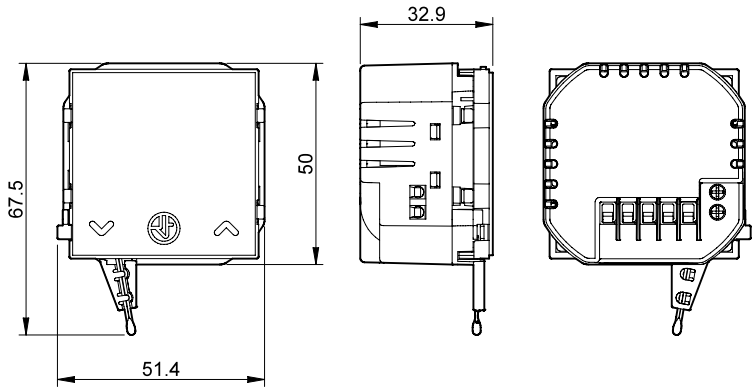
- Face plate only 5 mm thick for a sleek, elegant look
- Flush mounting for 2 or 3 module recessed wall boxes, or 65 mm round wall box
- Simple and versatile
- Supply voltage 110…230 V AC
- LED matrix display
- Summer/Winter switch
- Display lock
- Display with adjustable brightness control
- Day/Night setting
- Optional external 10 kΩ NTC sensor

1T.T1

NEW





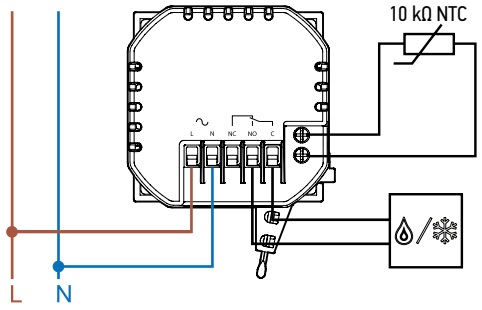


Colour	Thermostat
White	1T.T1.8.230.0000
Anthracite grey	1T.T1.8.230.2000
Technical features	
Sensing element	NTC
Supply	230 V
Contact configuration	1 CO (SPDT)
Contact rating	5 A/250 V AC
Display range	0…+50 °C
Temperature setting range	0…+38 °C
Temperature differential	0.1…1 °C (default 0.3 °C)
Temperature rate of change	—
Nighttime set-back	default 3 °C
Independently set temperature levels	YES
Thermostat lock	YES
Protection category	IP 20
Mounting	(Recess)
Display resolution	0.1 °C
Accuracy at +20 °C	+/–1 °C
Frost Protection	default +5 °C
Energy saving function	—
Push-buttons	Touch keys
Back-light display	YES
Approvals (according to type)	CE

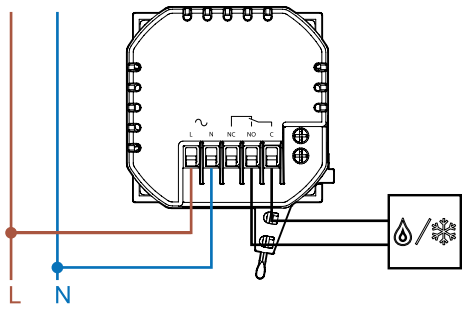
M

Wiring diagrams

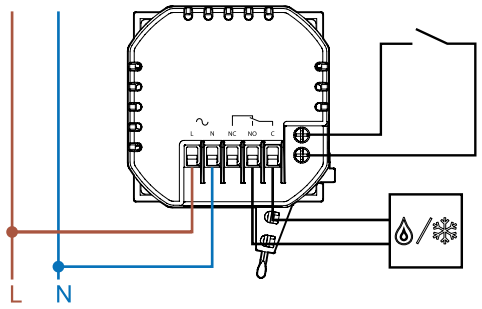
External NTC sensor



Standard wiring diagram



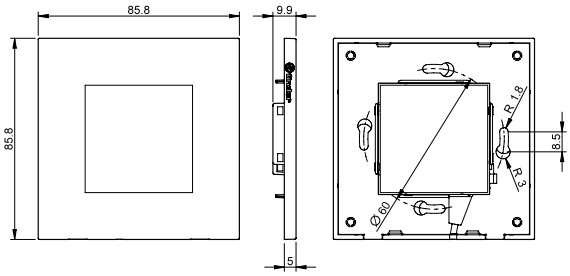
External dry contact for night mode



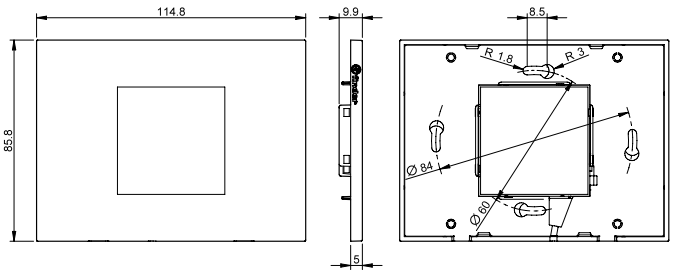
External terminals: NTC sensor and dry contact

- If the **external terminals are not used** the thermostat will refer to its internal temperature sensor.
- If there is an external 10 kΩ **NTC sensor,** the thermostat will take that as the reference for the temperature.
- If there is a **dry contact** closed on the terminals, it will set the thermostat to night mode, changing the temperature according to the internal menu settings (default +/–3 °C).

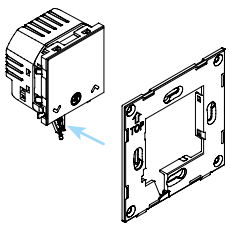
Mounting

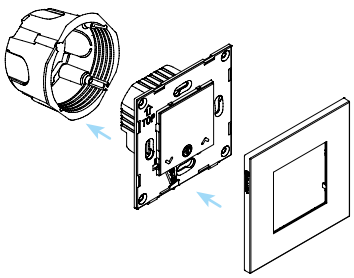


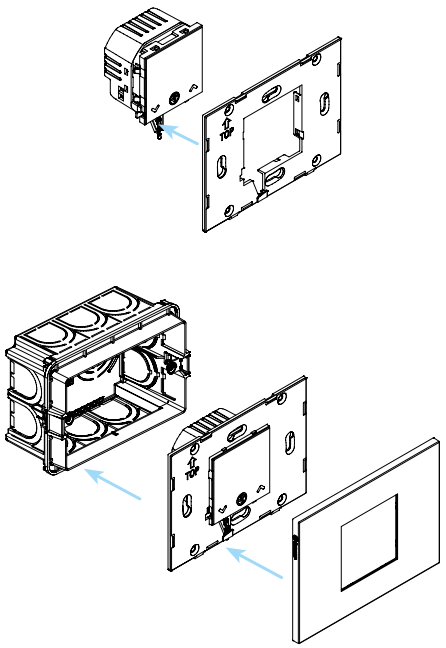
Mounting in 2 module or 65 mm round wall boxes



Mounting in 3 module wall boxes







The thermostat, front plates, and the frames for 2 or 3 module and 65 mm round wall boxes are included in the pack.

M

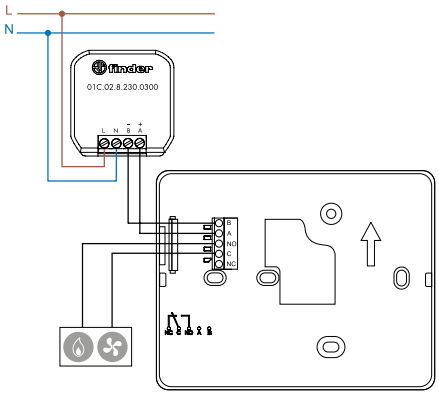
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Thermostat

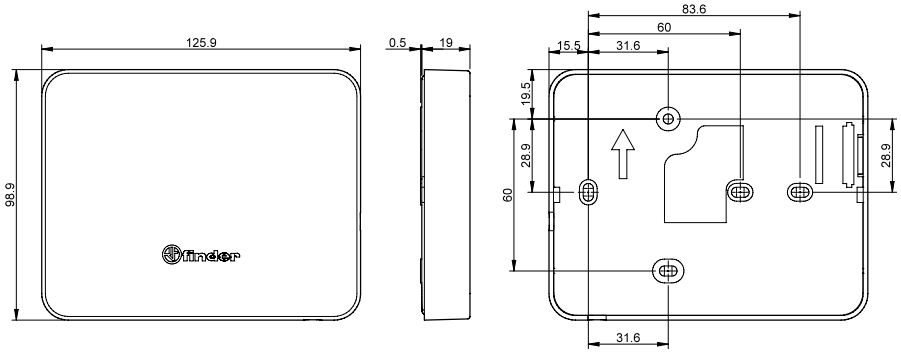
- Touch display with guided programming
- Stunning design
- Backlit touch keys
- Power supply: 2 1.5 V AA batteries
- 2 selectable temperatures (day/night)
- Summer/Winter switch
- PIN lock padlock function
- Temperature setting range 5-37°C
- Contact rating 5 A 250 V AC

1T.91 BLISS T



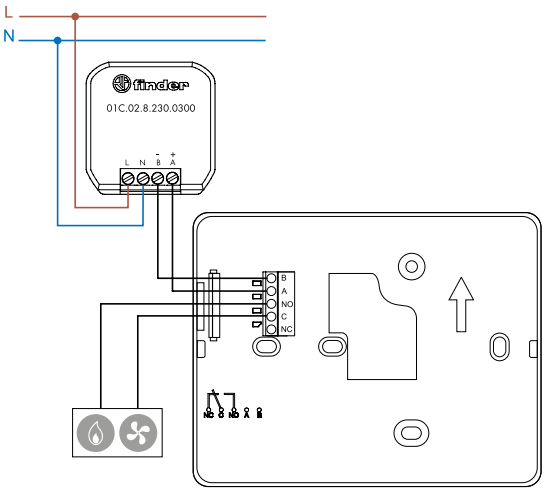


Wiring diagram



Colour	Thermostat
White	1T.91.9.003.0000
Technical features	
Sensing element	NTC
Supply	2 batteries 1.5 V AA
Contact configuration	1 CO (SPDT)
Contact rating	5 A/250 V AC
Display range	0…+50 °C
Temperature setting range	+5…+37 °C
Temperature differential	0.2 °C self regulation
Temperature rate of change	—
Nighttime set-back	YES
Independently set temperature levels	2 (day/night)
Thermostat lock	3 digit PIN
Protection category	IP 20
Mounting	Wall
Display resolution	0.1 °C
Accuracy at +20 °C	+/–0.5 °C
Frost Protection	+5 °C
Energy saving function	—
Push-buttons	Backlit touch keys
Back-light display	YES
Approvals (according to type)	CE UK CA EAC





Type 01C.02.8.230.0300
Power supply for thermostat BLISS T

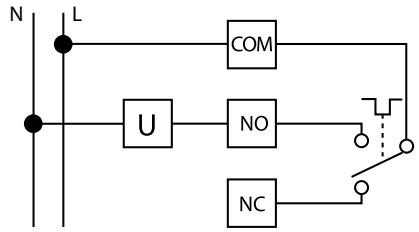
- Rated power: 2 W
- Nominal voltage:110…230 V AC
- Output voltage: 3.3 V DC
- Ambient temperature range: 0…40 °C
- Maximum cable length between power supply and thermostat BLISS T: 10 m (2 x 1.5 mm^2 flexible cable)

When using the thermostat with the external power supply, the batteries MUST be removed.

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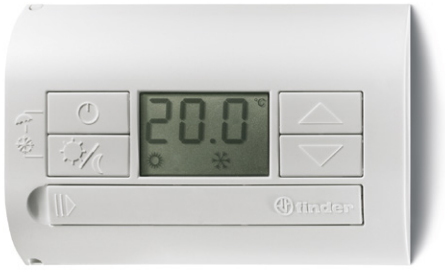
Digital room thermostat

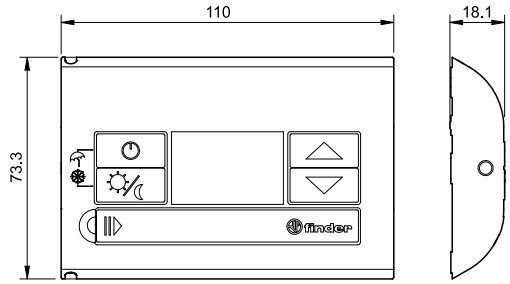
- Independently set temperatures for Day and Night
- Temperature range (+5…+37)°C
- Supply voltage: 3 V DC (2 batteries 1.5 V DC AAA)
- Thermostat lock
- Functions: OFF (with Frost protection)/ Summer/Winter
- Frost protection range (+2…+8)°C
- 1 changeover 5 A/250 V AC output
- On/Off hysteresis selectable (0.2 - 0.5)°C

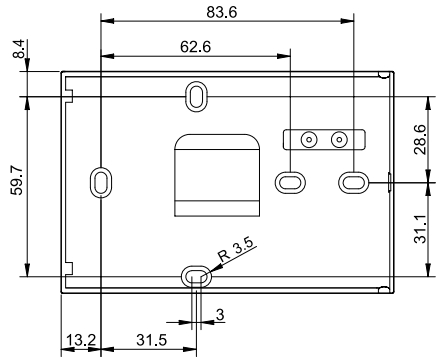


Wiring diagram

1T.31



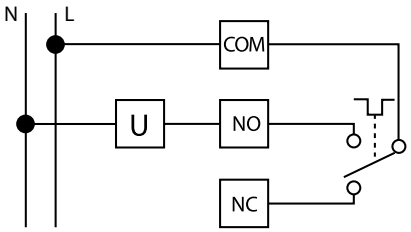




Colour	
White	1T.31.9.003.0000
Anthracite gray	1T.31.9.003.2000
Technical features	
Sensing element	NTC
Supply	2 batteries 1.5 V AAA
Contact configuration	1 CO (SPDT)
Contact rating	5 A/250 V AC
Display range	0…+50 °C
Temperature setting range	+5…+37 °C
Temperature differential	0.2 - 0.5 °C
Temperature rate of change	—
Nighttime set-back	YES
Independently set temperature levels	2 (day/night)
Thermostat lock	Push-buttons
Protection category	IP 20
Mounting	Surface
Display resolution	0.1 °C
Accuracy at +20 °C	+/–0.5 °C
Frost Protection	+2…+8 °C
Energy saving function	—
Push-buttons	Mechanical
Back-light display	NO
Approvals (according to type)	CE UK CA EAC

Digital room thermostat

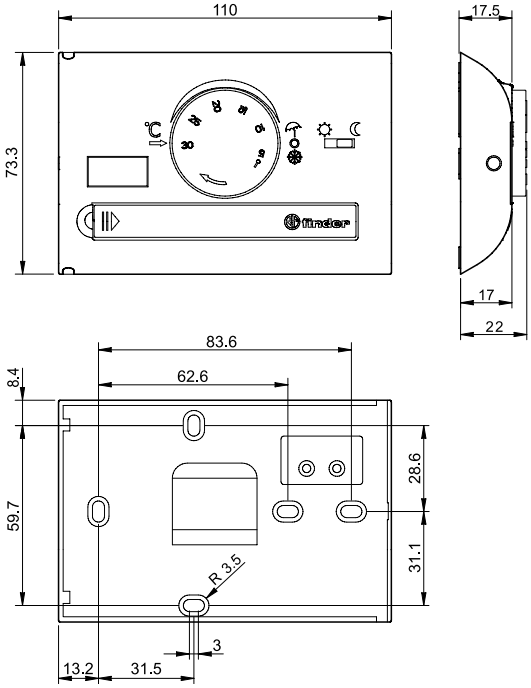
- Temperature regulation from 5 to 33 °C
- Supply voltage: 3 V DC (2 batteries 1.5 V DC AAA)
- Functions: OFF (with Frost protection)/ Summer/Winter
- Programming: Day/Night (set-back by –3 °C)
- 1 changeover 5 A/250 V AC output
- Temperature setting range can be restricted, by internal mechanical blocking
- Display with:
  - Set temperature, actual temperature
  - Low battery
  - SUMMER/WINTER setting active
  - Heater/Air-conditioning ON



Wiring diagram

1T.41



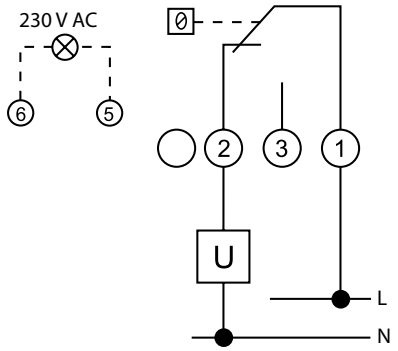


Colour	
White	1T.41.9.003.0000
Anthracite gray	1T.41.9.003.2000
Technical features	
Sensing element	NTC
Supply	2 batteries 1.5 V AAA
Contact configuration	1 CO (SPDT)
Contact rating	5 A/250 V AC
Display range	0…+50 °C
Temperature setting range	+8…+30 °C (night set-back: **Winter** +5…+27 °C/**Summer** +11…+33 °C)
Temperature differential	0.3 °C
Temperature rate of change	—
Nighttime set-back	YES (0.3 °C)
Independently set temperature levels	—
Thermostat lock	Mechanical
Protection category	IP 20
Mounting	Surface
Display resolution	0.1 °C
Accuracy at +20 °C	+/–0.5 °C
Frost Protection	5 °C
Energy saving function	—
Push-buttons	Mechanical
Back-light display	NO
Approvals (according to type)	CE UK CA EAC

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Room thermostat

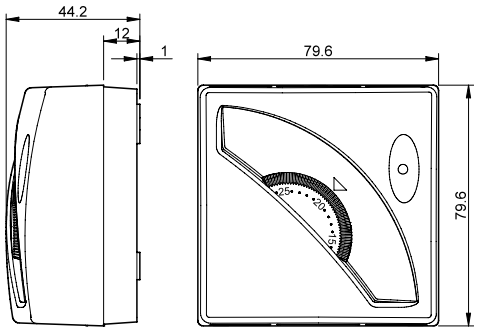
- Temperature regulation (+7…+30)°C
- System operating - indicator light

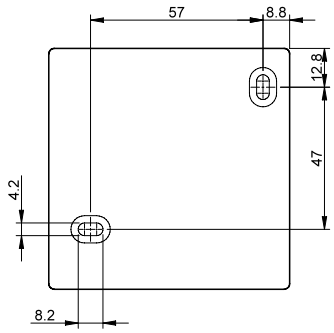


Wiring diagram

1T.01.0



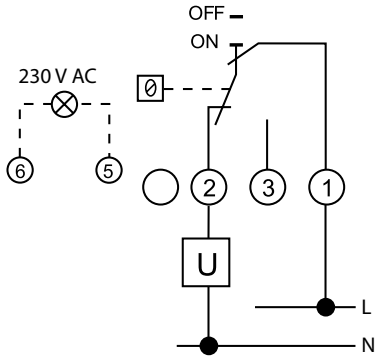




Colour	
White	1T.01.0
Technical features	
Sensing element	Gas bulb
Supply	—
Contact configuration	1 CO (SPDT)
Contact rating	16 A/250 V AC
Display range	—
Temperature setting range	+7…+30 °C
Temperature differential	0.4 - 0.8 °C
Temperature rate of change	1 °C/15 min
Nighttime set-back	—
Independently set temperature levels	—
Thermostat lock	Mechanical
Protection category	IP 20
Mounting	Surface
Display resolution	—
Accuracy at +20 °C	—
Frost Protection	—
Energy saving function	—
Push-buttons	—
Back-light display	NO
Approvals (according to type)	CE UK CA EAC

Room thermostat with ON/OFF switch

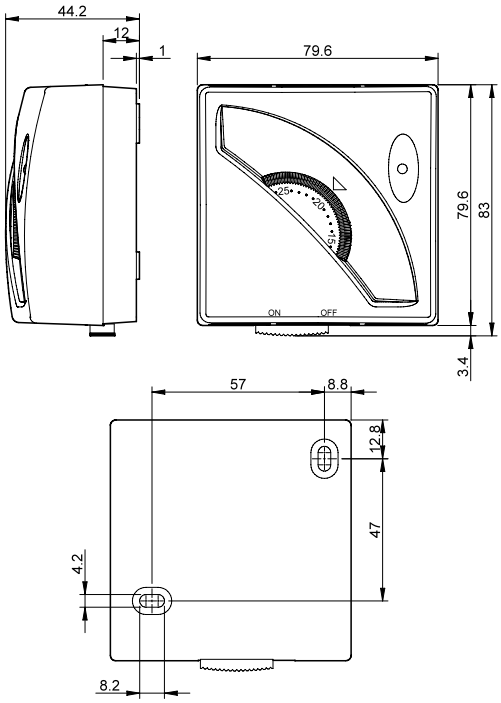
- ON/OFF switch
- Temperature regulation (+7…+30)°C
- System operating - indicator light



Wiring diagram

1T.01.1



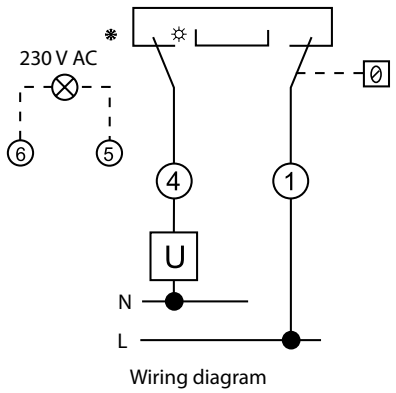


Colour	
White	1T.01.1
Technical features	
Sensing element	Gas bulb
Supply	—
Contact configuration	1 CO (SPDT)
Contact rating	16 A/250 V AC
Display range	—
Temperature setting range	+7…+30 °C
Temperature differential	0.4 - 0.8 °C
Temperature rate of change	1 °C/15 min
Nighttime set-back	—
Independently set temperature levels	—
Thermostat lock	Mechanical
Protection category	IP 20
Mounting	Surface
Display resolution	—
Accuracy at +20 °C	—
Frost Protection	—
Energy saving function	—
Push-buttons	—
Back-light display	NO
Approvals (according to type)	CE UK CA EAC

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Room thermostat with SUMMER/WINTER switch

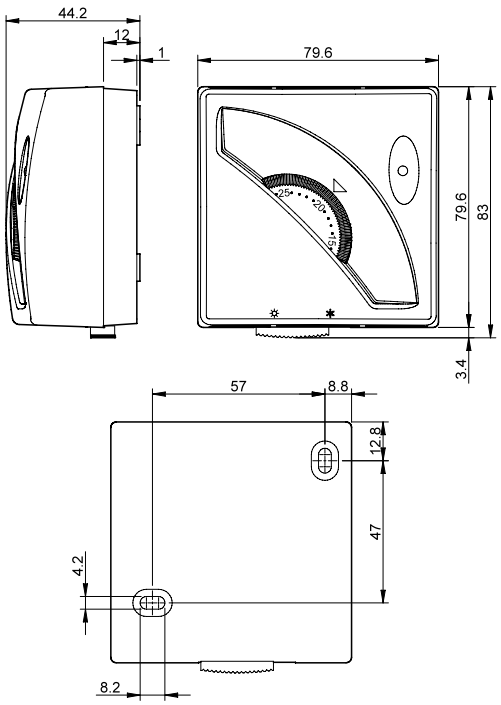
- SUMMER/WINTER switch
- Temperature regulation (+7…+30)°C
- System operating - indicator light



Wiring diagram

1T.01.2





Colour	
White	1T.01.2
Technical features	
Sensing element	Gas bulb
Supply	—
Contact configuration	1 CO (SPDT)
Contact rating	16 A/250 V AC
Display range	—
Temperature setting range	+7…+30 °C
Temperature differential	0.4 - 0.8 °C
Temperature rate of change	1 °C/15 min
Nighttime set-back	—
Independently set temperature levels	—
Thermostat lock	Mechanical
Protection category	IP 20
Mounting	Surface
Display resolution	—
Accuracy at +20 °C	—
Frost Protection	—
Energy saving function	—
Push-buttons	—
Back-light display	NO
Approvals (according to type)	CE UK CA EAC