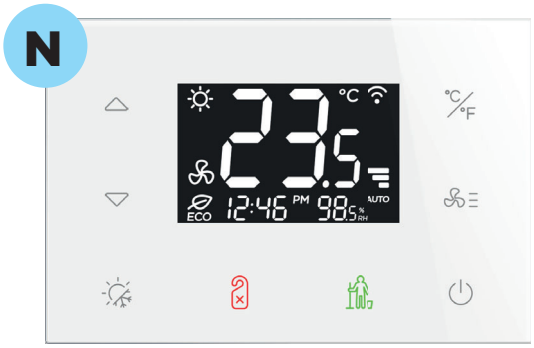
GRT3-100 | Glass room thermo-regulator



EAN code
GRT3-100/W: 8595188191746
GRT3-100/B: 8595188191739

Order Code:
GRT3-100/W: 9174
GRT3-100/B: 9173

The picture of device is illustrative, the icons (symbols) are configurable by the customer.

Technical parameters	GRT3-100/B	GRT3-100/W
Power supply		
Power supply voltage:	110 - 230V AC, 50-60Hz, L and N terminals	
Apparent/loss power input:	5 VA/3 W	
Supply voltage tolerance:	± 10%	
Outputs		
Relays:	5x switching / 5A / 250V AC1 / 1385VA	
Contact life:	mechanical: 10 mil. / electrical 100.000 switches	
Analog Output:	2x 0-10V, 10 mA	
Inputs (external)		
Binary:	ro potential-free contact, terminals IN1/IN2 against GND, maximum wire length 30m	
Temperature:	1x for external temperature sensor TC/TZ, terminals IN1/T & IN2/TC, temperature range -20 to +120 ° C, accuracy ± 0.5 ° C	
Sensors (internal)		
Temperature:	range 0 to +55 °C, accuracy ± 0.5 °C from the range	
Humidity:	0 - 99% RH, accuracy ± 3 °C from the range	
Proximity:	backlight activation when zooming <25 cm	
Lighting:	adaptive backlight control of the display and buttons	
Communications		
iNELS BUS:	BUS	
Control and display		
Display:	LCD (VA/TN), active area 54x34mm	
Buttons:	8x, capacitive, backlit	
Connection		
Terminals (BUS):	0.2 - 1.5 mm2	
Terminals (relay):	min. 0.2 mm2/max 1.5 mm2 with sleeve	
Terminals block:	16 pole, screwless (push-in)	
Mechanics		
Operating temperature:	- 0 to 50 °C / max 90% RH	
Storage temperature:	- 20 to 60 °C	
Enclosure:	IP30 (mounted)	
Overvoltage category:	II.	
Pollution degree:	2	
Working position:	horizontal	
Installation:	on EU or British box with 60 mm bolt spacing	
Dimension:	120x80x27 mm	
Weight:	230g	
Shape/edges:	sharp	
Color (glass and plastic)	White	Black
Standard:	EN 63044-1	

Create your glass design here:
icons.inels.com

- Glass room thermo-regulator GRT3-100 is part of a comprehensive range of glass iNELS control units for apartments, guest room management system (GRMS) and serves to regulate the temperature in the room.
- The glass room thermo-regulator is a design component of the iNELS system and is available in elegant black (GRT3-100/B) and white (GRT3-100/W) version.
- GRT3-100 thermo-regulator has a display for displaying the current room temperature and desired temperature. To adjust the required temperature, it is possible to use the touch buttons with symbols "-" and "+".
- The GRT3-100 is equipped with 5x 8 A relay output for fan speed and valves. It is also equipped with analog-to-digital input (AIN/DIN), which can be used to connect potential-free contact or external temperature sensor TC/ TZ (for example temperature measurement of the room or floor).
- GRT3-100 is also suitable for controlling fan coils and fan speed can be easily adjusted by using the touch buttons with symbols.
- Thermo-regulator GRT3-100 also features its touch buttons whose function can be adjusted by software, for example fan coil on/off , heating/cooling or comfort temperature for heating or cooling.
- Thermo-regulator is equipped with an integrated temperature sensor for ambient temperature measurement.
- Engraving of symbols is possible upon a request.
- Individual symbols can be illuminated.
- GRT3-100 are designed for mounting into wall.

Options: external temperature sensors

TC-0

100 mm

Order code:
209970800010

TC-3

3 m

Order code:
209970800011

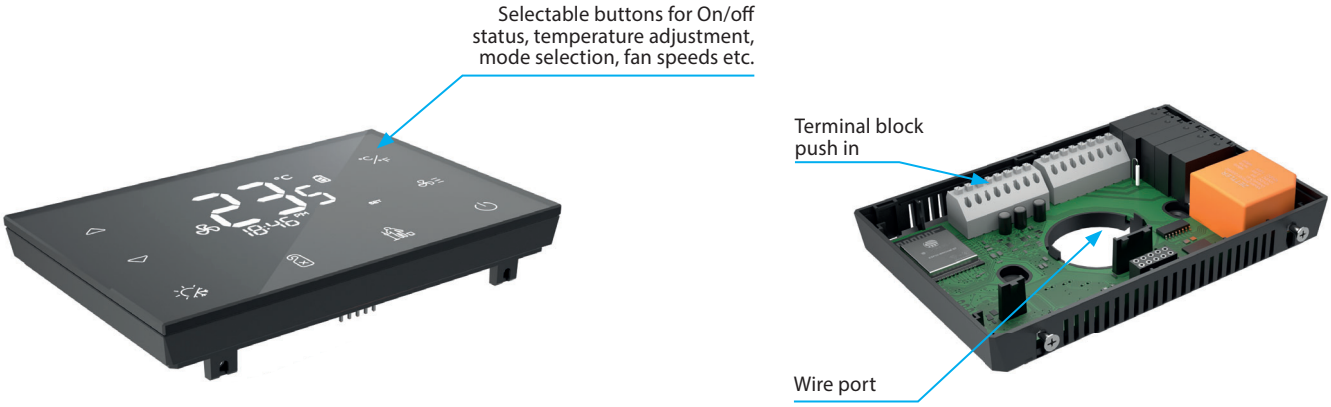
TC-6, TC-12

NTC 12K

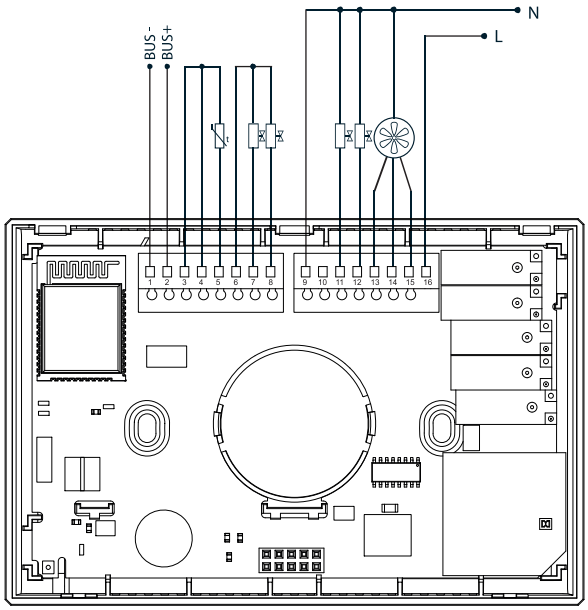
2 x 0,25 mm²

PVC, IP67

Buttons and display description



Connection



Another view

GRT3-100/W

GRT3-100/B