GRT3-70, GRT3-270 | Glass room thermo-regulator

Thermo-regulators

SHARP

ROUND

EAN code
GRT3-70/B: 8595188191548
GRT3-70/W: 8595188191531
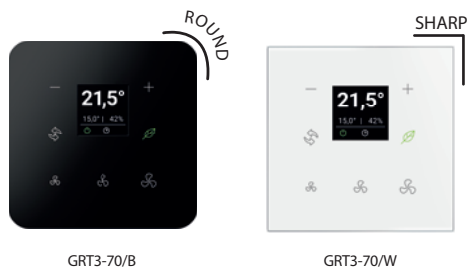GRT3-270/B: 8595188191562
GRT3-270/W: 8595188191555

Order Code:
GRT3-70/B: 9154
GRT3-70/W: 9153
GRT3-270/B: 9156
GRT3-270/W: 9155

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

- Glass room thermo-regulator GRT3-70 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.
- Comes with bigger display and new design compared to the previous version GRT3-50.
- GRT3-70 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 "+".
- GRT3-70 is also suitable for controlling fan coils and fan speed can be easily adjusted by using the touch buttons with symbols.
- Thermo-regulator GRT3-70 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.
- The glass room thermo-regulator is a design component of the iNELS system and is available in elegant black (GRT3-70/B) and white (GRT3-70/W) version.
- Engraving of symbols is possible upon a request.
- Individual symbols can be illuminated.
- GRT3-70 are designed for mounting into an installation box.
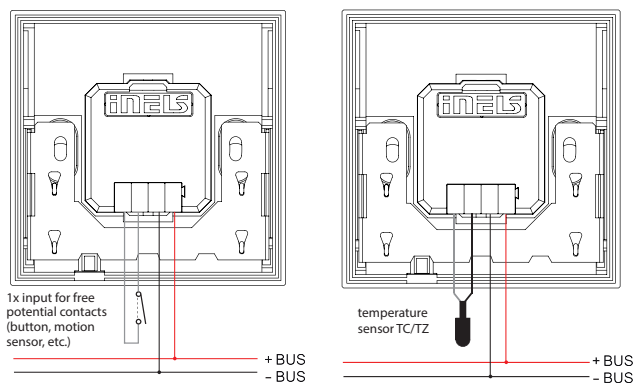- Custom icon and button configuration icons.inels.com

Technical parameters	GRT3-70	GRT3-270
Inputs		
Temperature measuring:	YES, built-in temperature sensor	
Scope and accuracy of temp. measurement:	0 to +55 °C; 0.3 °C from the range	
Humidity measurement:	YES	
Humidity measurement range:	0 to 99 % RH	
Humidity measurement accurancy:	± 3 % relative humidity	
Inputs:	1x AIN/DIN	
Resolution:	by setting 10-bit	
External temperature sensor:	YES, the connection between AIN1/DIN1 and AIN2/DIN2	
Type of external sensor:	TC/TZ	
Temperature measurement range:	-20 °C to +120 °C	
Temperature measurement accuracy:	0.5 °C from the range	
Buttons		
Number of control buttons:	7	
Type:	capacitive	
Indication:	coloured illuminated symbol	
Display		
Display:	colored TFT, 26 x 26 mm	
Resolution:	240 x 240 pixels	
Outputs		
Acustic output:	piezo-changer	
Communication		
Installation BUS:	BUS	
Power supply		
Supply voltage/tolerance:	27 V DC, -20/+10 %	
Dissipated power:	max. 0.5 W	
Rated current:	85 mA (at 27 V DC), from BUS	
Connection		
Terminals:	0.3 - 0.8 mm²	
Operating conditions		
Relative humidity:	max. 80 %	
Operating temperature:	-20 to +55 °C	
Storing temperature:	-30 to +70 °C	
Protection degree:	IP20	
Overvoltage category:	II.	
Pollution degree:	2	
Operation position:	any	
Installation:	on the wall, observing the conditions for correct installation of the thermostat	
Dimensions and weight		
Dimensions:	94 x 94 x 41 mm	100 x 100 x 8 mm	
Weight:	156 g	
Standards:	EN 63044-1	

Create your glass design here:
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Other variants

ROUND

SHARP

GRT3-70/B

GRT3-70/W

Connection

1x input for free potential contacts (button, motion sensor, etc.)

+ BUS
− BUS

temperature sensor TC/TZ

+ BUS
− BUS

Another view

GRT3-70/W