

#### MDT Glass Room Temperature Controller Smart

With colour display and temperature sensor, flush mounted

Version		
SCN-RTRGW.02	Glass Room Temperature Controller Smart	Flush mounted, White, integrated Temperature Sensor
SCN-RTRGS.02	Glass Room Temperature Controller Smart	Flush mounted, Black, integrated Temperature Sensor

The MDT Glass Room Temperature Controller Smart serves the temperature control in indoor rooms and has a measurement range from -10 to +50°C. With the operating modes heating, cooling and heating/cooling the temperatures can be comfortably adjusted as required. The controller has the following range of output value types; two-point control, PWM and a PI control output. The separate +/- buttons allow a comfortable adjustment of the temperature set value at any time.

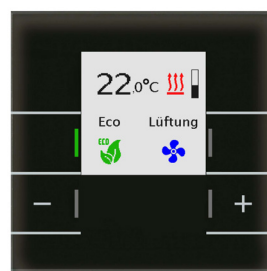
The active colour display shows selectively the inside- / outside temperature, the set value and the actual time. The background colour w/b of the colour display and the brightness intensity are adjustable. Furthermore, user defined messages or 14 Byte telegrams from the KNX Bus can be shown on the display. The MDT Glass Room temperature controller smart saves the minimum as well as the maximum temperature values and triggers an alarm when a threshold value has been exceeded or undercut. Equally a frost alarm will be triggered when the temperature drops below a determined temperature value.

The MDT Glass Room temperature controller is intended for installation in switchboxes. The installation must be conducted in dry indoor rooms. To commission and project, the MDT Glass Room Temperature Controller Smart you require the ETS5, as of from Version 5.7.0 or the ETS6. The product databank is to be found under the following link [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)

SCN-RTRGW.02



SCN-RTRGS.02



- Production in Engelskirchen, certified to ISO 9001
- Active colour display to indicate function and status
- Background colour w/b and display brightness adjustable
- Display of set and actual temperature
- For indoor temperature control. Range -10 to +50°C
- Selectable temperature controller (Two-position, PI, PWM)
- Simple setpoint adjustment via separate +/- buttons
- 1 Bit +/-, 1 Byte or 2 Byte absolute object for setpoint adjustment
- Setpoint values are stored at bus voltage failure
- Limit values min/max, frost protection alarm, min/max memory
- Operation mode can be set via Bit/Byte objects
- Ventilation control by hand or automatic operation
- 14 Byte object for plain text diagnostic
- Recommended installation height: 1,60 m
- Dimensions (W x H): 92 mm x 92 mm
- Integrated bus coupling unit
- 3 years warranty

Technical Data	SCN-RTRGx.02		
Measurement range temperature sensor	-10 to + 50°C		
Typical accuracy	± 0,5°C		
Recommended installation height	1,60m		
Specification KNX interface	TP-256		
Available application software	from ETS5.70, ETS6		
Permitted wire gauge			
KNX busconnection terminal	0,8mm Ø, solid core		
Power supply	KNX bus		
Power consumption KNX bus typ.	<0,6W		
Operation temperature range	0 to + 45°C		
Enclosure	IP 20		
Dimensions (W x H x D)	92mm x 92mm x 29,2mm		
Required installation boxes	1		

Exemplary circuit diagram SCN-RTRGx.02

