

## MDT Room Temperature Controller, flush mounted

Version		
SCN-RT1UP.01	Room Temperature Controller	Flush mounted, 55mm, white matt finish
SCN-TS1UP.01	Room Temperature Sensor	Flush mounted, 55mm, white matt finish
SCN-RT1UPE.01	Room Temperature Controller with adjustment knob	Flush mounted, 55mm, white matt finish
SCN-RT1UP.G1	Room Temperature Controller	Flush mounted, 55mm, white glossy finish
SCN-TS1UP.G1	Room Temperature Sensor	Flush mounted, 55mm, white glossy finish
SCN-RT1UPE.G1	Room Temperature Controller with adjustment knob	Flush mounted, 55mm, white glossy finish

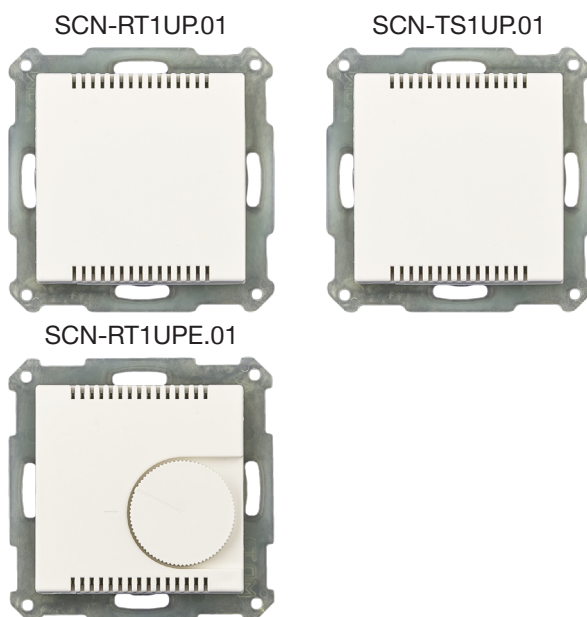
The MDT Room Temperature Controller is used to control the indoor temperature, it has a working range from -10 to +50°C. The MDT Room Temperature Controller detects the temperature and releases telegrams in dependence on its parameterisation. The characteristic of the MDT Temperature Controller (Two-position, PI and PWM control) can be set in the ETS. The MDT Room Temperature Controller stores the minimum and maximum temperature and releases an alarm telegram if the temperature differs from the programmed limit values. The temperature of the frost protection is parameterizable.

Fits 55mm systems:

- GIRA Standard 55, E2, Event, Esprit
- BERKER S1, B3, B7
- JUNG A500, Aplus, Acreation, AS500
- MERTEN 1M, M-Smart, M-Plan, M-Pure

The MDT Room Temperature Controller is a flush mounted device for fixed installations in dry rooms, it is delivered with support ring.

For project design and commissioning of the MDT Room Temperature Controller it is recommended to use the ETS. Please download the application software at [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)



- Production in Germany, certified according to ISO 9001
- Fits 55mm systems/ranges:
  - GIRA Standard 55, E2, Event, Esprit
  - BERKER S1, B3, B7
  - JUNG A500, Aplus, Acreation, AS500
  - MERTEN 1M, M-Smart, M-Plan, M-Pure
- Selectable temperature controller (PI, Two-position, PWM)
- Setpoint value is stored at voltage failure
- Bit/Byte object to set the given value
- For indoor temperature controlling, range -10° to +50°C
- Limit values min/max, Frost protection alarm, Memory for min/max
- Setpoint value via visualisation, e.g. MDT VisuControl
- Day-/night-/frost-/heat protection operation
- Status feedback by HVAC and RHCC status objects
- Operation mode can be set via Bit/Byte objects
- Installation with support ring (Included in delivery)
- Integrated bus coupling unit
- 3 years warranty

Technical Data	SCN-RT1UP.01 SCN-RT1UP.G1	SCN-RT1UPE.01 SCN-RT1UPE.G1	SCN-TS1UP.01 SCN-TS1UP.G1	
<b>Configuration</b>	RTC	RTC	Temperature sensor	
Number of Channels	1	1	1	
<b>Measurement range temperature</b>	-10 to +50°C	-10 to +50°C	-10 to +50°C	
<b>Specification KNX interface</b>	TP-256	TP-256	TP-256	
<b>Available application software</b>	ETS 3/4/5	ETS 3/4/5	ETS 3/4/5	
<b>Permitted wire gauge</b>				
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core	
<b>Power supply</b>	KNX bus	KNX bus	KNX bus	
<b>Power consumption KNX bus typ.</b>	< 0,25W	< 0,25W	< 0,25W	
<b>Operating temperature range</b>	-10 to +50°C	-10 to +50°C	-10 to +50°C	
<b>Enclosure</b>	IP 20	IP 20	IP 20	
<b>Dimensions (W x H x D)</b>	55mm x 55mm x 13mm	55mm x 55mm x 13mm	55mm x 55mm x 13mm	

**Exemplary circuit diagram SCN-xTxxx.01**

