MDT Room Temperature Controller 1-fold, flush mounted
MDT Room Temperature Controller 1-fold, surface mounted

| Version		
SCN-RT1UP.01	Room Temperature Controller 1-fold	Flush mounted, white matt finish, 55mm
SCN-TS1UP.01	Room Temperature Sensor 1-fold	Flush mounted, white matt finish, 55mm
SCN-RT1UPE.01	Room Temperature Controller 1-fach with adjustment knob	Flush mounted, white matt finish, 55mm
SCN-RT1APE.01	Room Temperature Controller 1-fach with adjustment knob	Surface mounted, white matt 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 ETS3/4. 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:

- BERKER S1, B1, B3, B7 glass
- GIRA Standard 55, E2, Event, Esprit
- JUNG A500, Aplus
- MERTEN M-Smart, M-Arc, M-Plan

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 ETS3f/ETS4 or later. Please download the application software at www.mdt.de/Downloads.html

SCN-RT1UP.01
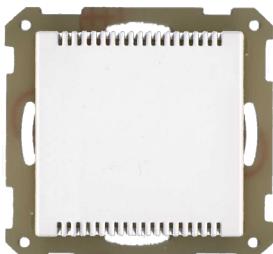
SCN-TS1UP.01

SCN-RT1UPE.01
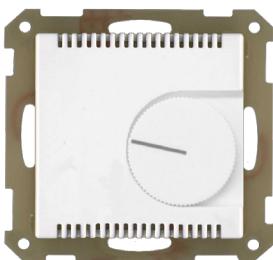
SCN-RT1APE.01

- Production in Germany, certified according to ISO 9001
- Fits all switches with 55mm rocker:
  - BERKER S1, B1, B3, B7
  - GIRA Standard 55, E2, Event, Esprit
  - JUNG A500, Aplus
  - MERTEN M-Smart, M-Arc, M-Plan
- Selectable temperature controller (PI, Two-position, PWM)
- Given 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
- Desired value can be given by visualisation, e.g. MDT VisuControl
- Day-, night- and frost 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

MDT RTC

Technical Data	SCN-RT1UP.01	SCN-RT1UPE.01	SCN-TS1UP.01	SCN-RT1APE.01
Configuration	RTC	RTC	Temperature sensor	RTC
Number of Channels	1	1	1	1
Measurement range temperature	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C
Permitted wire gauge				
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core
Power supply	KNX bus	KNX bus	KNX bus	KNX bus
Power consumption KNX bus typ.	< 0,25W	< 0,25W	< 0,25W	< 0,25W
Operating temperature range	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C
Enclosure	IP 20	IP 20	IP 20	IP 20
Dimensions (W x H x D)	55mm x 55mm x 13mm	55mm x 55mm x 13mm	55mm x 55mm x 13mm	91mm x 85mm x 26mm

Examplary circuit diagram SCN-xTxxxx.01