

**MDT Glass Room Temperature Controller 1-fold with LCD display, flush mounted**

| Version      |   |                      |
|--------------|---|----------------------|
| SCN-RT1GW.01 | Room Temperature Controller 1-fold with LCD display | Flush mounted, White |
| SCN-RT1GS.01 | Room Temperature Controller 1-fold with LCD display | Flush mounted, Black |

The MDT Glass Room Temperature Controller is used to control the indoor temperature, it has a working range from -10 to +50°C. The MDT Glass Room Temperature Controller detects the temperature and releases telegrams in dependence on its parameterisation.

The characteristic of the MDT Glass Temperature Controller (Two-position, PI and PWM control) can be set in the ETS3/4. The MDT Glass 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.

The large LCD display optionally shows inside/outside temperature, the desired value and the current time. Also user defined messages and 14byte telegrams from the KNX bus can be displayed.

The MDT Glass Room Temperature Controller is a flush mounted device for fixed installations in dry rooms.

For project design and commissioning of the MDT Glass 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)

SCN-RT1GW.01



SCN-RT1GS.01



- Production in Germany, certified according to ISO 9001
- **Large LCD Display (with automatic light intensity control)**
- Room temperature controller with temperature sensor -10 to +50°C
- Comfort-/night-/standby-/frost protection operation
- Selectable temperature controller (PI, Two-position, PWM)
- Status feedback by HVAC and RHCC status objects
- Limit values min/max, frost-/heat protection alarm, min/max memory
- Given value is stored at voltage failure
- **Visualisation of inside/outside temperature, setpoint and time**
- **Visualisation of user defined messages (1Bit)**
- **Visualisation of text telegrams (14Byte)**
- **Two direct switching functions (e.g. light, shutter)**
- **Ventilation functions (hand or automatic)**
- Dimensions (W x H): 92mm x 92mm
- Recommended mounting height: 1,50 - 1,60m
- Integrated bus coupling unit
- 3 years warranty

|  |                       |                       |  |  |
|--|-----------------------|-----------------------|--|--|
| <b>Technical Data</b>                  | SCN-RT1GW.01          | SCN-RT1GS.01          |  |  |
| <b>Configuration</b>                   | RTC                   | RTC                   |  |  |
| Number of Channels                     | 1                     | 1                     |  |  |
| <b>Measurement range temperature</b>   | -10 to +50°C          | -10 to +50°C          |  |  |
| <b>Specification KNX interface</b>     | TP-256                | TP-256                |  |  |
| <b>Available application software</b>  | 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   |  |  |
| <b>Power supply</b>                    | KNX bus               | KNX bus               |  |  |
| <b>Power consumption KNX bus typ.</b>  | < 0,25W               | < 0,25W               |  |  |
| <b>Operating temperature range</b>     | -10 to +50°C          | -10 to +50°C          |  |  |
| <b>Enclosure</b>                       | IP 20                 | IP 20                 |  |  |
| <b>Dimensions (W x H x D)</b>          | 92mm x 92mm<br>x 28mm | 92mm x 92mm<br>x 28mm |  |  |
| <b>Recommended installation height</b> | 1,50 - 1,60 m         | 1,50 - 1,60m          |  |  |

Exemplary circuit diagram SCN-RT1Gx.01

