

### MDT Object Controller 63, Studio white glossy finish

With temperature/humidity sensor and 4 inputs

| Version       |                      |                                                        |
|---------------|----------------------|--------------------------------------------------------|
| SCN-RTR63O.01 | Object Controller 63 | To fit 63mm systems/ranges, Studio white glossy finish |

The MDT Object Controller 63 with integrated temperature and humidity sensor is used for indoor room temperature regulation. The comfort zone of the indoor climate is set via Min./Max. values at the parameterization of the Object Controller. Switch Actuators/Heating Actuators with electrothermic valves or motorized KNX actuators can be controlled by the Object Controller.

Additionally the Object Controller 63 has 4 binary inputs to connect potential free contacts. The inputs can be used for direct connection of window contacts, buttons/switches for lighting control or blind control. The length of connection cables is 22cm.

The MDT Object Controller 63 is a flush mounted device for fixed installations in dry rooms. For project design and commissioning of the Object Controller 63 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-RTR63O.01



- Production in Germany, certified according to ISO 9001
- Fits 63mm systems/ranges, e.g.:
  - Busch-Jaeger future linear, solo, carat, Busch-axent
- **Room temperature controller for indoor rooms**  
**Range -10 to +50°C**
- **Selectable temperature controller (PI, Two-position, PWM)**
- 1Bit +/-, 1Byte oder 2Byte 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
- **Temperature and humidity sensor with dew point calculation**
- Message when leaving the comfort zone
- **4 binary inputs to connect potential free contacts**  
**(push-buttons or window/auxiliary contacts)**
- Ventilation control by hand or automatic operation
- 14Byte object for plain text diagnostic
- Installation in a installation box with included support ring  
Recommended installation height: 1,6m  
length of connection cables: 22cm
- Integrated bus coupling unit
- 3 years warranty

|                                              |                                 |  |  |
|----------------------------------------------|---------------------------------|--|--|
| <b>Technical Data</b>                        | SCN-RTR63O.01                   |  |  |
| <b>Measurement range temperature sensor</b>  | -10 to + 50°C                   |  |  |
| <b>Measurement range humidity sensor</b>     | 0 - 95%*                        |  |  |
| <b>Number of inputs</b>                      | 4 (for potential free contacts) |  |  |
| <b>Internal contact voltage</b>              | 3,3VDC** internal               |  |  |
| <b>Recommended installation height</b>       | 1,60m                           |  |  |
| <b>Specification KNX interface</b>           | TP-256                          |  |  |
| <b>Available application software</b>        | ETS 5                           |  |  |
| <b>Permitted wire gauge</b>                  |                                 |  |  |
| KNX busconnection terminal                   | 0,8mm Ø, solid core             |  |  |
| <b>Power supply</b>                          | KNX bus                         |  |  |
| <b>Power consumption KNX bus typ.</b>        | <0,3W                           |  |  |
| <b>Operation temperature range</b>           | 0 to + 45°C                     |  |  |
| <b>Ambient humidity (permanent)</b>          | 20 - 80%                        |  |  |
| <b>Ambient humidity (short-term)</b>         | 0 - 95%                         |  |  |
| <b>Enclosure</b>                             | IP 20                           |  |  |
| <b>Dimensions (W x H)</b>                    | 63mm x 63mm                     |  |  |
| <b>Installation depth in installaton box</b> | 12mm                            |  |  |

\* Avoid condensation

\*\* There is no galvanic separation between contact voltage and KNX bus voltage.

#### Exemplary circuit diagram SCN-RTR63O.01

