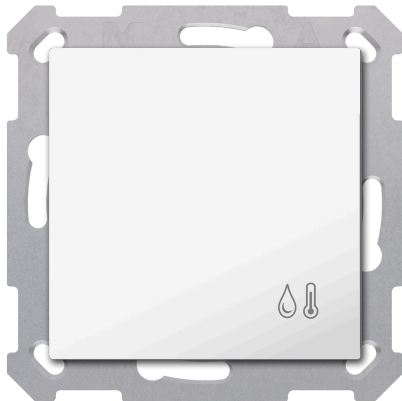


## SCN-RTR550.01

### KNX Object Controller 55, Pure White glossy finish



#### Product description:

The MDT Object Controller 55 for temperature measurement and room temperature control. 4 binary inputs offer the possibility of connecting potential-free window contacts or mechanical push buttons. The dew point is calculated by the integrated humidity sensor. Design suitable for 55 mm switch ranges of various manufacturers.

#### Product functions:

- Suitable for 55 mm switch ranges e.g. MDT assortment 55, GIRA Standard 55, E2, Event, Esprit, BERKER S1, B3, B7, JUNG A 500, A PLUS, A CREATION, AS 500, A 550, A FLOW or MERTEN 1M, M-Smart, M-Plan, M-Pure
- Room Temperature Controller
- Measurement range -10 ... +50 °C
- **Selectable controller type (2-step, PI, PWM)**
- 1 Bit +/-, 1 Byte or 2 Byte absolute object for setpoint adjustment
- Setpoint storage in the event of a bus power failure
- Temperature min/max memory, messages and Frost/heat protection alarm
- Operation mode change via Bit/Byte object
- **Temperature- and Humidity sensor with calculation of the condensation point**
- **Notification when leaving the comfort zone**
- **4 Binary inputs to connect potential free contacts (Mechanical Push-buttons, Switches, window contacts)**
- **Ventilation control with manual and automatic operation**
- 14 Byte object for plain text diagnosis
- Installation in an installation box using the included installation frame
- Recommended installation height: 1.60 m
- Integrated Bus coupler

## Technical data:

<b>Device</b>	Device type	SCN Object Controller
	Article Number	SCN-RTR550.01
	EAN / GTIN	4251916111717
	Colour	Pure White, glossy finish
	Dimensions (H x W x D)	55 x 55 x 26 mm
	Weight, gross (incl. packaging)	0.068 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation depth in switch box	12 mm
	Included carrying ring	Carrying ring A
	Recommended installation height	1.6 m
	Installation position	any
	Weight, net	0.043 kg
	<b>Inputs</b>	Number of binary inputs
Input voltage		3.3 V DC internal *1
Length of the input lines		22 cm
Permissible total cable length		10 m
Measuring range for temperature		-10 ... +50 °C
Measuring range for relative humidity		0 ... 95 %
<b>Outputs</b>	Number of integrated temperature controllers	1
	Room temperature control range	7 ... 35 °C
	Temperature range for messages	3 ... 45 °C
<b>KNX</b>	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,3 W
	KNX Medium	TP-256 with long frame support
	KNX Application	as of ETS 5 (latest)
<b>Environmental conditions</b>	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Air humidity (permanent)	20 ... 80 %
	Air humidity (short-term)	0 ... 95 %
	Condensation permissible	No

## Technical data:

Connections	Temperature sensor	Integrated
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

\*1 Not galvanically isolated from the KNX bus, distance to 230 V cables are to be maintained in accordance with valid standards and regulations.  
The installation in an installation box in addition to a 230 V cable is not permitted.

## Wiring diagram:

