

## SCN-RTRGW.02

### KNX Glas Room Temperature Controller Smart with colour display, White



#### Product description:

The Glass Room Temperature Controller Smart has two sensor surfaces [-] and [+] dedicated for intuitive setpoint adjustment. The relevant information on temperature control is displayed on the large colour display. In the operation mode as an extension unit, the Glass Room Temperature Controller Smart can be used, in combination with the MDT heating actuator, or where necessary in a larger area as a second measurement point.

#### Product functions:

- **Active colour display for function and status indication**
- **Selectable background colour and brightness of the display (white or black)**
- **Display of set- and actual temperature**
- **Room Temperature Controller for rooms, Measurement range -10 ... +50 °C**
- **Selectable controller type (2-step, PI, PWM)**
- Operation as room temperature extension unit possible
- Easy setpoint adjustment over separate +/- Push-buttons
- 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
- **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
- Dimensions (H x W): 92 x 92 mm
- Integrated Bus coupler
- 3 year warranty

## Technical data:

<b>Device</b>	Device type	BE Glass Room Temperature Controller
	Article Number	SCN-RTRGW.02
	EAN / GTIN	4251916111939
	Colour	White
	Display	Active colour display
	Dimensions (H x W x D)	92 x 92 x 29 mm
	Weight, gross (incl. packaging)	0.198 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Included carrying ring	Carrying ring B
	Recommended installation height	1.6 m
	Installation position	any
	Weight, net	0.163 kg
	<b>Operation</b>	Number of buttons
Number of LEDs		4 x RGB (status)
<b>Inputs</b>	Measuring range for temperature	-10 ... +50 °C
	Accuracy of temperature measurement, typical	± 0,5 °C
	Manual setpoint adjustment	By means of Push-buttons
<b>Outputs</b>	Number of integrated temperature controllers	1
	Room temperature control range	7 ... 35 °C
	Temperature range for messages	3 ... 45 °C
	Orientation light function	Yes
<b>KNX</b>	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,6 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
	Humidity	< 95 %
	Condensation permissible	No
<b>Connections</b>	Temperature sensor	Integrated
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

## Wiring diagram:

