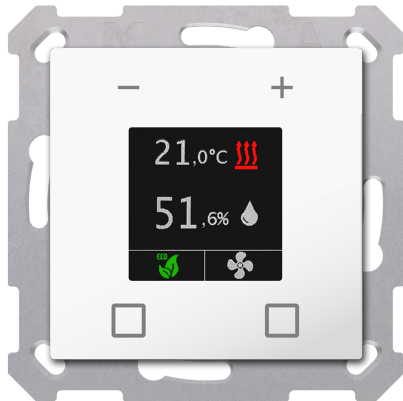


SCN-RTN55S.01

KNX Room Temperature Extension Unit Smart 55, Pure White glossy finish



Product description:

The MDT Room Temperature Extension Unit Smart 55 to measure the room temperature. Adjustment of temperature setpoints of an external controller - for example AKH or RTR - are possible by means of plus/minus buttons. Two further buttons are individually programmable. 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
- **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 extension unit for rooms**
- Measurement range -10 ... +50 °C
- Easy setpoint adjustment over separate +/- Push-buttons
- 1 Bit +/-, 1 Byte or 2 Byte absolute object for setpoint adjustment
- **Temperature min/max memory and messages**
- **Room temperature control in combination with the MDT AKH-Heating actuators**
- **Ventilation control with manual and automatic operation**
- Installation in an installation box using the included installation frame
- Recommended installation height: 1.60 m
- Integrated Bus coupler
- 3 year warranty

Technical data:

Device	Device type	SCN Room Temperature Extension Unit
	Article Number	SCN-RTN55S.01
	EAN / GTIN	4251916111687
	Colour	Pure White, glossy finish
	Display	Active colour display
	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
Operation	Number of buttons	4 Push-buttons
Inputs	Measuring range for temperature	-10 ... +50 °C
	Measuring range for relative humidity	0 ... 95 %
	Manual setpoint adjustment	By means of Push-buttons
KNX	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)
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Air humidity (permanent)	20 ... 80 %
	Air humidity (short-term)	0 ... 95 %
	Condensation permissible	No
Connections	Temperature sensor	Integrated
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

Wiring diagram:

