Product data sheet

MDT TECHNOLOGIES

SCN-WS3HW.01

KNX Weather Station Home

Product description:

The MDT Weather Station Home measures and transmits the following values to the KNX installation, brightness values of the cardinal directions east, south and west, temperature and wind speed. As an example, based on this information, a MDT shutter actuator can shade windows as required, or automatically retract an awning when the wind velocity exceeds a set limit. Alternatively, the integrated facade control automatically adjusts the position of the roller shutters or blinds when defined thresholds are exceeded.

Product functions:

- **3 channels to control sun shading of shutters/blinds**
- Sun shading for up to 3 facades
- Offers comprehensive functions to control facades (2 switching thresholds, teach-in function)
- Central shutter control, up/down via twilight value (with time delay)
- **Brightness value for East, South, West and Twilight**
- Allocation of a day/night object
- **Wind speed, Wind alarm**
- Temperature measurement
- Suitable for facade control on residential buildings
- wall- or mast installation
- 5 m Bus connection cable
- **No additional power supply required**
- Integrated Bus coupler
- 3 year warranty

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KNX

06/25

Technical data:

Device	Device type	SCN Weather Station
	Article Number	SCN-WS3HW.01
	EAN / GTIN	4251916111830
	Colour	Transparent
	Weight, gross (incl. packaging)	0.469 kg
	Protection classification	IP44
	Installation type	Other, outdoor
	Installation position	vertical
	Weight, net	0.328 kg
Inputs	Number of sensors	4
	Measuring range for twilight	0 ... 1000 Lux
	Measuring range for brightness	0 ... 100000 Lux
	Measuring range for temperature	-20 ... +70 °C [*1]
	Measuring range for wind	0 ... 32 m/s
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
	KNX Application	as of ETS 3
Environmental conditions	Ambient operating temperature	-20 ... +70 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
Connections	KNX connection type	KNX bus connection cable, 5 m
	KNX cable cross section	0.6 mm, solid conductor

[*1] The temperature value may differ from the actual value due to the installation position

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Wiring diagram:

KNX

KNX/EIB Bus

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3 / 3

06/25

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