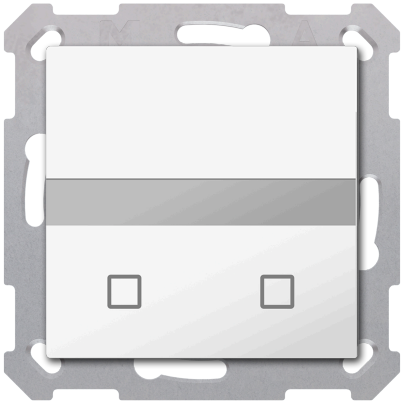
Product data sheet

BWM-55T01.03S

KNX Motion Detector/Automatic Switch TS 55, Pure White matt finish, Secure



Product description:

The MDT Motion Detector / Automatic Switch with light sensor for wall mounting in 55 mm switch ranges from various manufacturers. With two motion sensors for detecting the direction of movement and integrated light sensor for different switch-on thresholds during the day and at night. Two separate light channels, one HVAC channel and one channel for room monitoring can be configured. With temperature sensor and two sensor buttons, it is the all-rounder for corridors and rooms. KNX Data Secure

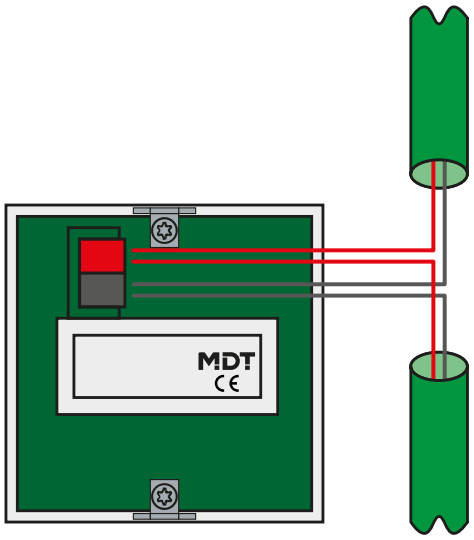
Product functions:

- **KNX Data Secure**, integrated Bus coupler
- **Virtual interface in the ETS**
- 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
- **Motion detector with 2 sensors and brightness sensor**
- **Two sensor surfaces for selectable functions**
- **Temperature sensor to measure the room temperature**
- Detection angle H 180° / V 15°, area of detection 6 ... 10 m
- **Suitable for house pets up to 12 kg**
- **Activation sensitivity for day, night, and presence individually selectable**
- **Detection of movement direction**
- 2 Light channels, 1 HVC- and Alarm channel
- **Short-term presence to reduce the follow up time**
- Master/slave function, scenes and logic functions
- **Integrated white LED nightlight**
- Day/night function, orientation light function
- Blocking- and forced operation with release time
- External Push-button input for automatic and manual operation
- Recommended installation height: 1.05 ... 1.20 m

Technical data:

Device	Device type	SCN Motion detector
	Article Number	BWM-55T01.03S
	EAN / GTIN	4251916114800
	Colour	Pure White, matt finish
	Dimensions (H x W x D)	55 x 55 x 26 mm
	Weight, gross (incl. packaging)	0.062 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation depth in switch box	12 mm
	Included carrying ring	Carrying ring A
	Recommended installation height	1.05 … 1.2 m
	Installation position	any
	Weight, net	0.036 kg
Operation	Number of buttons	2 sensor surfaces
	Number of LEDs	1 x red/green (status) 1 x white (night light)
Inputs	Number of sensors	2
	Dynamic range	5 … 1000 Lux
	Range	6 m … 10 m
	Horizontal angle of coverage	180°
	vertical angle of coverage	15°
	Adjustable sensitivity	10 steps
	Measuring range for temperature	0 … 40 °C
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)
	KNX Secure	KNX Data Secure
Environmental conditions	Ambient operating temperature	0 … 45 °C
	Storage	-20 … +55 °C
	Humidity	< 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:



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