MDT Motion Detector/Automatic Switch 55, flush mounted

Version		
SCN-BWM55.02	Motion Detector/Automatic Switch 55	To fit 55mm systems/ranges, White matt finish
SCN-BWM55.G2	Motion Detector/Automatic Switch 55	To fit 55mm systems/ranges, White glossy finish
SCN-BWM55T.G2	Motion Detector/Automatic Switch TS 55	To fit 55mm systems/ranges, White glossy finish With temperature sensor and 2 sensor keys
SCN-BWM55T.02	Motion Detector/Automatic Switch TS 55	To fit 55mm systems/ranges, White matt finish With temperature sensor and 2 sensor keys

The MDT Motion Detector/Automatic Switch with light sensor captures the smallest movements with its built in pyro detectors and high resolution lens. It is possible to configure 2 separate light channels, one HVA channel and one channel for room monitoring. The brightness of the room is measured by the integrated light sensor and made available as an object.
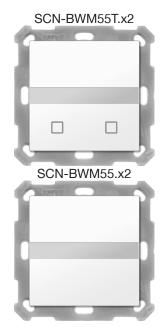
After motion detection and below an adjusted brightness value a 1Bit („1") telegram, 1Byte dimming value (0...100%) or a scene call („ON") is send to the bus. The sensitivity is adjustable in 10 steps. If there is no movement a 1Bit („0") telegram, an 1Byte dimming value (0...100%) or a scene call („OFF") is send to the bus after an adjustable follow up time.

Different light scenes can be controlled via the day/night object. Additionally there are master/slave, semi/full automatic operation, forced operation/block and logic functions available.

Fits 55mm systems/ranges:

- GIRA Standard 55, E2,E22, Event, Esprit
- BERKER S1, B3, B7
- JUNG A 500, A CREATION, AS 500, A550, A FLOW
- MERTEN 1M, M-Smart, M-Plan, M-Pure

The MDT Motion Detector is a flush mounted device for fixed installations in dry rooms. For project design and commissioning of the Motion Detector it is recommended to use the ETS. Please download the application software at www.mdt.de/downloads.html

SCN-BWM55T.x2

SCN-BWM55.x2

- Production in Germany, certified according to ISO 9001
- Fits 55mm systems/ranges:
  - GIRA Standard 55, E2, E22, Event, Esprit
  - BERKER S1, B3, B7
  - JUNG A 500, A CREATION, AS 500, A550, A FLOW
  - MERTEN 1M, M-Smart, M-Plan, M-Pure
- **Motion detector with light sensor and 2 sensors**
- **Two sensor keys for any function**
- **Temperature sensor for capturing the room temperature**
- Motion detection angle H 180° / V 15°, coverage 6-10m Ø
- **Suitable for pets up to 12kg**
- **Sensitivity separately adjustable for day/night/presence**
- **Detection of moving direction**
- 2 light channels, 1 channel for HVAC and alarm
- Short time presence to reduce stopping time
- Master/slave function, scenes and logical functions
- **Integrated white LED night light**
- Day/night function, orientation light function
- Block and forced setting functions with release time
- External push button input for automatic and manual operation
- Recommended installation height: 1,05 - 1,20m
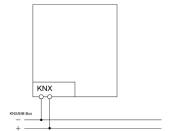- Integrated bus coupling unit, 3 years warranty

Technical Data	SCN-BWM55.G2 white shiny finish SCN-BWM55.02 white matt finish	SCN-BWM55T.G2 white shiny finish SCN-BWM55T.02 white matt finish		
Covered area (Diameter)				
Movement *	6 - 10m	6 - 10m		
Sensitivity	adjustable in 10 steps	adjustable in 10 steps		
Angular coverage horizontal	180°	180°		
Angular coverage vertical	15°	15°		
Dynamic range of light sensor	5 - 1000 Lux	5 - 1000 Lux		
Measurement range temperature	--	0 to + 40°C		
Number of sensor keys	--	2		
Recommended installation height	1,05 - 1,20m	1,05 - 1,20m		
Specification KNX interface	TP-256	TP-256		
Available application software	ETS 4/5	ETS 4/5		
Permitted wire gauge				
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core		
Power supply	KNX bus	KNX bus		
Power consumption KNX bus typ.	<0,3W	<0,3W		
Operation temperature range	0 to + 45°C	0 to + 45°C		
Enclosure	IP 20	IP 20		
Dimensions (W x H)	55mm x 55mm	55mm x 55mm		
Installation depth in installation box	12mm	12mm		

Examplary circuit diagram SCN-BWM55x.x2

Compatible to 55mm programs

Manufacturer	Series
Berker	B.7 Glas polarweiß
Berker	B.3 Alu polarweiß
Berker	S.1 polarweiß
Berker	B.1 polarweiß matt
Berker	B.7 Glas Alu
Berker	S.1 polarweiß matt
Gira	Standard 55 reinweiß seidenmatt
Gira	E2 reinweiß seidenmatt
Gira	E22 reinweiß glänzend
Gira	Esprit Glas mint
Gira	Esprit Glas weiß
Gira	Event Alu
Gira	Event reinweiß matt
Merten	M-Smart polarweiß brillant
Merten	M-Plan polarweiß edelmatt
Merten	M-Arc polarweiß edelmatt
Merten	M-Pure
Merten	M-Plan Echtglas brillantweiß
Merten	M-Smart polarweiß
Jung	A 500
Jung	A CREATION
Jung	AS 500
Jung	A 550
Jung	A FLOW