

(Unit: mm)

Technical Specifications

Operating voltage	220~240Vac, 50Hz
Rated load	400W(inductive), 800W (resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(standby), <1W(operation)
Detection zone	Max.(D x H): 10m x 6 m
Detection sensitivity	25% / 50% / 100%
Hold time	5s / 1min / 5min / 15min / 30min
Daylight sensor	5lux / 10lux / 20lux / 30lux / 50lux /Disable
Mounting height	8m Max
Motion detection	0.5~3m/s
Detection angle	150°(wall installation) 360°(ceiling installation)
Operating temperature	-20℃ ~60℃
IP rating	IP20

CE 0700



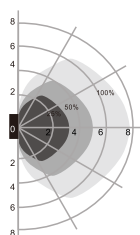
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General Guidelines for Installation

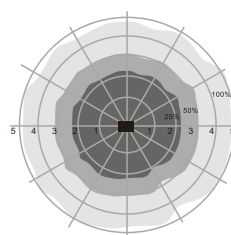


- 1.MC023S is an innovative and active motion detector with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials.
- 2.The sensor supplies a simple energy-saving solution to use light only when and where you need it. It automatically switches on/off light based on motion and ambient light level. Can control all kinds of lamps, for example, halogen, fluorescent and LED lights. Compact size and small casing, suitable to fix within most luminaires. 4-pole press-in terminal (L, N, N, L'), very easy to install.
- 3.The high quality relay is particularly suitable for commercial use with switching power up to 400W for LEDs and fluorescent lamps and up to 800W for incandescent lamps.

Detection Pattern

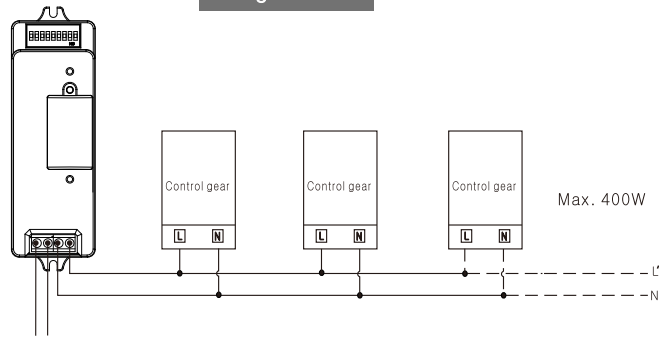


Wall mounting pattern (Unit: m)
Suggested installation height: 1-1.8m



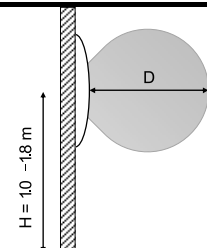
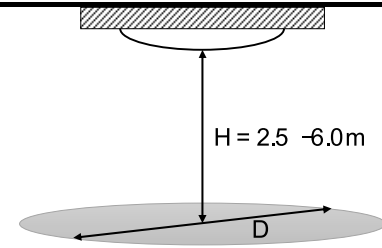



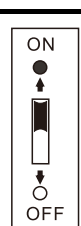
Ceiling mounting pattern (Unit: m)
Suggested installation height: 2.5-6m


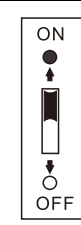
Wiring scheme



Settings

Detection Area <i>Erfassungsbereich</i> 		1	2		
		●	●	D = ±8m	D = ±5m
		○	●	D = ±5m	D = ±3m
		●	○	D = ±3m	D = ±2m

! Hold Time <i>Haltezeit</i> 		1	2	3	
		●	●	●	5 sec
		○	●	●	1 min
		●	○	●	5 min
		●	●	○	15 min
		○	○	○	30 min

⑦ Daylight Sensitivity <i>TageslichtEmpfindlichkeit</i> 		1	2	3	4	
		●	●	●	●	5 lux
		○	●	●	●	10 lux
		●	○	●	●	20 lux
		●	●	○	●	30 lux
		●	●	●	○	50 lux
		○	○	○	○	OFF / AUS

FAQ

Question	Cause	Remedy
The load will not illuminate.	Incorrect daylight sensor setting selected.	Adjust setting.
	Load has failed.	Replace load.
	Power is switched off.	Switch on
The load is permanently illuminated.	Continuous movement in the detection area.	Check detection area setting.
	The lamp (containing sensor) is installed in an area too close to reflective surfaces, i. e. metal, glass or concrete walls.	1, Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces. 2, Reduce sensitivity (detection area).
The load will not illuminate despite movement.	Speed of moving object is not in the range of 0. 5~3m/s or the detection radius is too small.	Check detection area setting.