

DasKlug

Powered by

HERO Apps



DKSM01MWDCNN

24 GHz Presence Sensor

Data Sheet



Technical Specification

A. Input / Output

Features	Deatils
Input voltage	12-24V DC
Rated voltage	24V DC
Working current	@12Vdc: 50mA max @24Vdc:30mA max
Working power	≤1W @24V DC
Output signal	NO/NC dry contact (Factory settings is NO dry contact)
Load type	Resistive (load voltage ≤ Vdc36V, load current ≤ 50mA max)

B. Sensor Parameter

Features	Deatils
Radar frequency	24GHz - 24.5GHz, ISM band
Transmitting power	5mW Max
Detection sensitivity	MH10 remote setting: 100% / 75% / 50% / 25%
Hold time	5s / 30s / 1min / 3min / 5min / 10min / 20min
Daylight sensor	MH10 remote setting: 5Lux / 15Lux / 30Lux / 50Lux / 100Lux / 150Lux / Disable
Radius detection range (baded on Qs1 mode 100% sensitivity)	Motion detection (3m height): 3-4m Minor motion detection (3m height): 2.5-3.5m Presence (3m height): 2.5-3.5m
Mounting height	2.5-4.0m (typical value: 3m)
3dB beam angle	100° (horizontal), 100° (vertical)

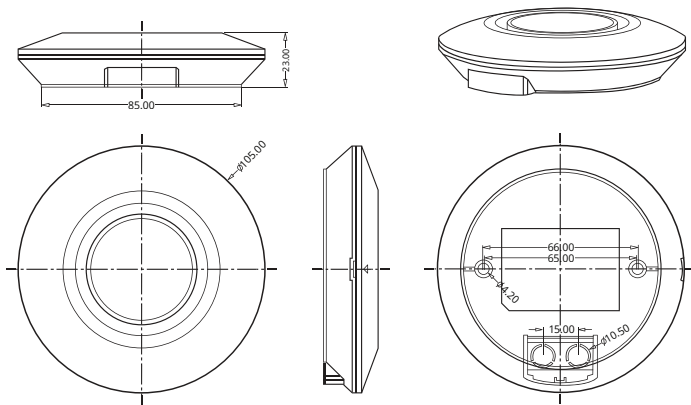
C. Application Environment

Features	Deatils
Mounting	Surface mounting
Working Temperature	0°C ... +50°C
Storage Temperature	-25°C ... +80°C

D. Certificate Standard

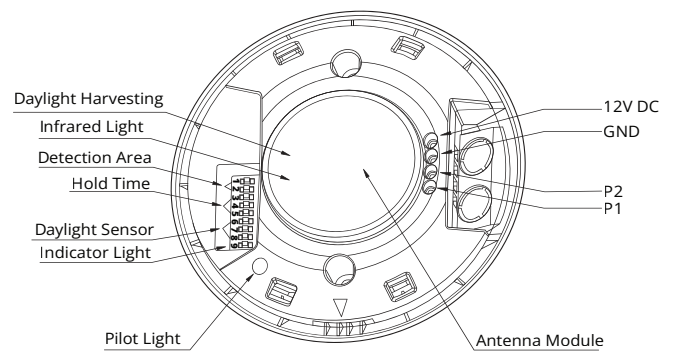
Features	Deatils
Certificate	FCC/RED
Environmental Requirement	Compliant to RoHS
IP Rating	IP20

Sensor dimensions



Terminal: 4 pin terminal
Dimensions: $\phi 105 \times 23$ mm

Sensor parts label



WIRING LAYOUT SUGGESTION

Hand-in-hand wiring is highly recommended, yet star-topology or tree-topology is strongly deprecated. When there's more than 1pc sensor in a line, you shall consider all equipment current consumption shall not surpass your driver's loading capacity.

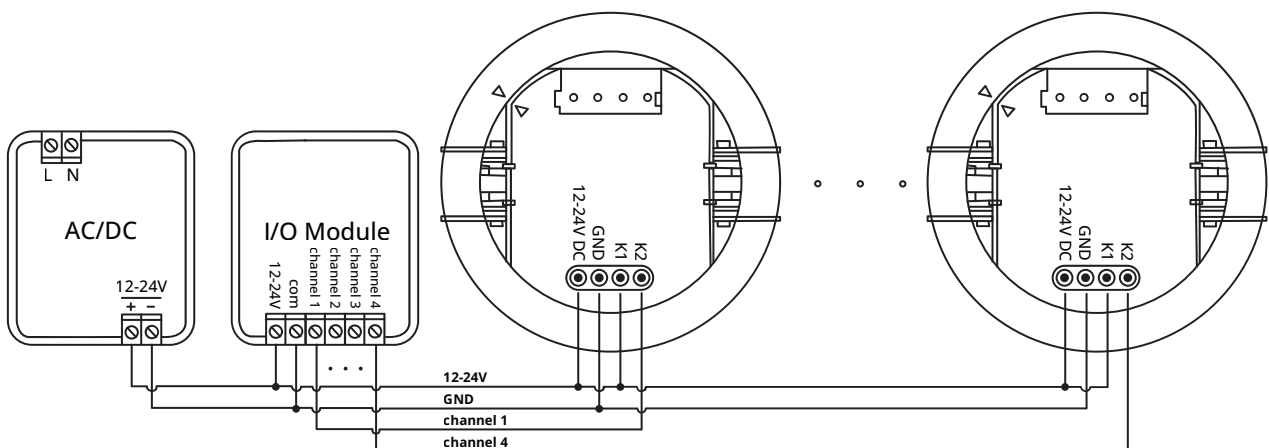
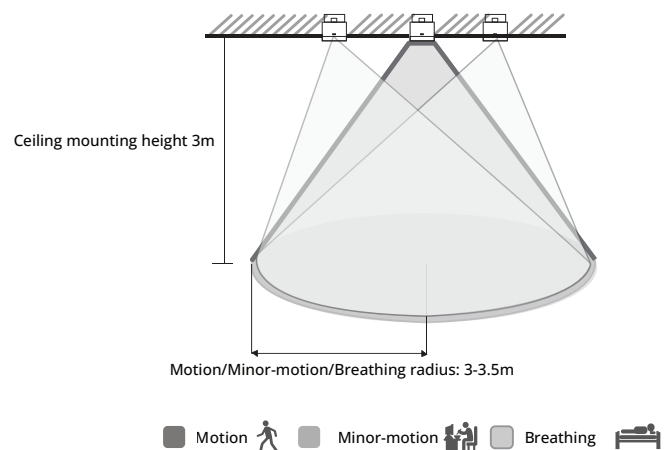
INITIALIZATION

When powered on, sensor indicator will turn off after flashing for 20s and will not detect moving signal during this time. After 20s, you can use our MH10 remote to adjust detection area, hold time and daylight sensor etc.

FACTORY SETTING

Detection Area: QS1 mode 100%
Hold Time: 1min
Daylight Sensor: Disable
Indicator light: Open

Detection Radiation





Disclaimer

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All performance values are based on internal testing under standard conditions. Actual results may vary depending on installation environment, integration methods, firmware versions, third-party systems, and user configurations.

DasKlug products must be installed, configured, and operated by qualified professionals in accordance with local electrical, safety, and regulatory standards. Improper installation or unauthorized modification may void product warranties.