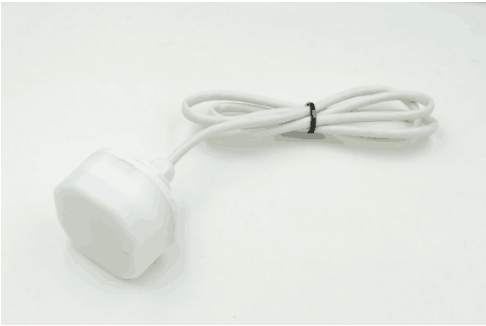


1. Features



- 12V-24Vdc operating, suitable to DC system or LED driver with 12/24Vdc auxiliary output.
- 0-10V dimming port, suitable to 3-step or 2-step dimming function.
- Adjustable detecting sensitivity(low or high sensitivity), suitable to variety of installation sites.
- Mini size microwave sensor detector for high bay light.
- 15m Max. mounting height, can be located most of warehouses.
- All sensor parameters are easily set by the remote controller.



2. Parameter

Model NO.	MC079D	
Input	Operating Voltage	11-25Vdc
	Rated Voltage	12-24Vdc
	Stand-by Power	≤0.3W
Output	Output voltage	0-10VDC
	Current of 0-10V port	≤ 50mA (No-constant source) Note 2
Sensor Parameters	Operating Frequency	5.8 GHz ±75 MHz, ISM Band.
	Transmitting Power	0.5mW Max.
	Detection Sensitivity	100%/ 75%/ 50%/ 25%
	Hold Time	5s/30s/1min/3min/5min/10min/20min/30min
	Stand-by DIM Level	0s/10S/1min/3min/5min/10min/30min/+∞(Note 3)
	Daylight Threshold	5lux/15lux/30lux/50lux/100lux/150lux/Disable(Note 4)
	Stand-by dim Level	10%(1.4~1.6Vdc), 20%(1.9~2.1Vdc), 30%(2.9~3.1Vdc), 50%(4.9~5.1Vdc)
	Mounting Height	15m Max
	Detection Area	8m in Radius @10m mounting height (Note 5)
	Detecting Angle	150° (Wall mounted), 360° (Ceiling mounted)
Environment	Operating Temperature	-35°C...+55°C
	Storage	Temperature -40°C...+80°C, 35-85% RH condensing
EMC & Safety Standards	Withstand Voltage	N/A
	EMC Standards	N/A
	Protection	N/A
	Certificate	CE (Self declaration)

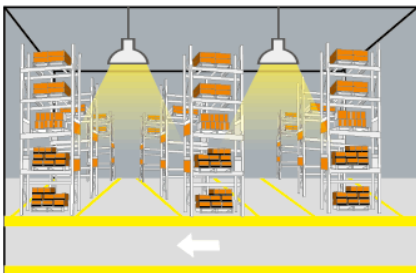
Other	Wiring	18AWG wire with metal ends. Red(12V+), black(Earth), white (0-10VDC)
	Installation	Build-in fixture or stand-alone installed
	Dimension	Φ55*41mm, see details of dimension in page 2
	Accessories	4pcs M3x6 screws
	IP Rating	IP65 (Indoor use only)
	Package	PE bag+ White box+ Instruction+ Carton (K=A)
	Net Weight	Pending
	Lifespan	50,000hours

Note

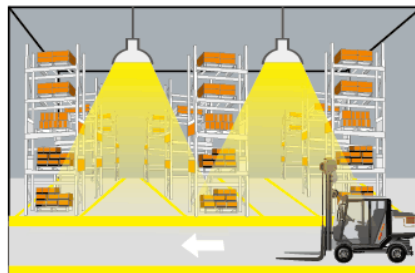
1. "N/A" means not available.
2. Can not use DC power source test the 0-10V dim current.
3. 0s/10S/1min/3min/5min/10min/30min settings only work with 0-10V dimmable LED driver. Otherwise, only '+∞' setting is workable.
4. 5lux/15lux/30lux/50lux/100lux/150lux settings only work with 0-10V dimmable LED driver. Otherwise, only 'Disable' setting is workable.
5. Detection area is effected on volume of motion object and motion speed. The detection area is tested by a 165cm height person and waking speed is 0.5m/s.

3. Function

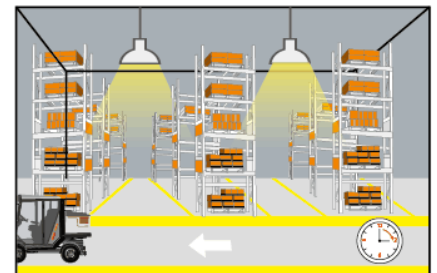
2-step dimming function



If there is no motion detected, the light will be remained at a low light level all the time.

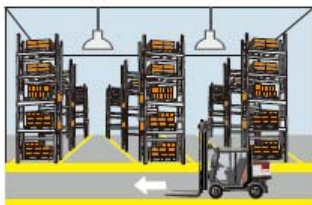


When motion is detected, the sensor will switch on the light to 100% brightness.

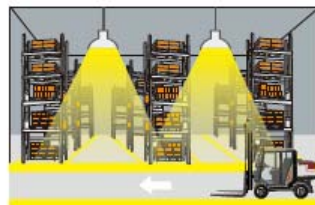


After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

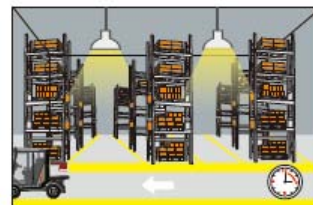
3-step dimming function (Require work with 0-10V LED driver)



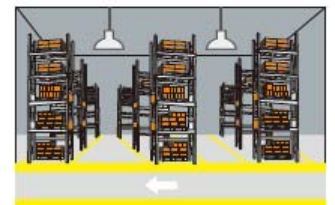
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.

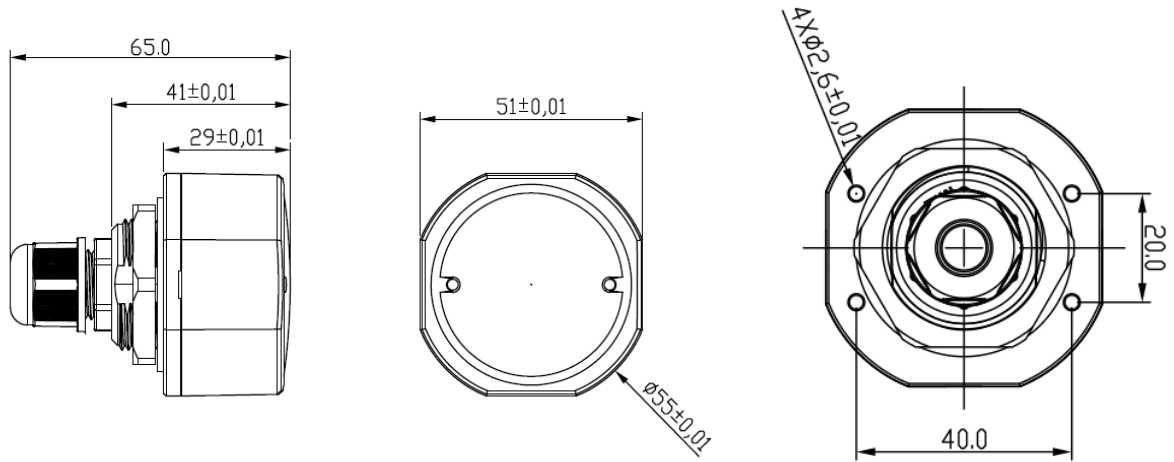


After hold time, the sensor dims the lamp at a low light level if no new motion trigger.



After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

4. Dimension



5. Wiring Diagram

