INSTALLATION & OPERATING INSTRUCTIONS

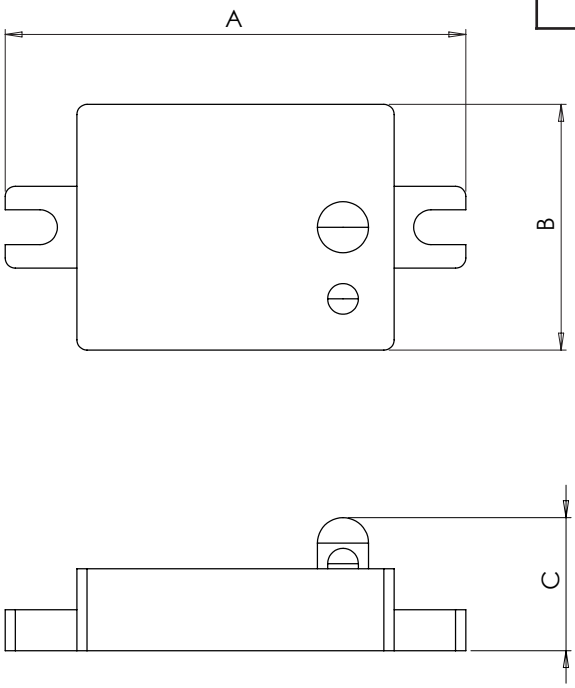
Product Name: XCBHMSA

General information

- This product must be installed in accordance with the latest edition of the IET Wiring Regulations and local Building Regulation by a qualified competent person.
- The mains power supply must be turned off before inspection, installation or removal of the product, ensuring that the supply is locked off to prevent inadvertently switching the supply on.
- It is the installer's responsibility to ensure that the installation is suitable for the total load of the product(s). The supply cable fuses/circuit breakers must be correctly rated for the electrical load and taking into account for any transient inrush currents that may occur.
- It is the installer's responsibility to ensure that the environmental operating and storage conditions are complied with and that any fire risks are considered.
- Do not perform insulation strength or insulation resistance tests on the installation with the product(s) connected, this can damage the products and give erroneous readings.
- Do not loop-in supply cables at the product supply terminals unless there is provision for 2-way connection at the terminals.
- To ensure that the product warranty remains valid, the product must be installed and maintained in accordance with these installation instructions and the product must not be modified in any way.

Dimensions

	A (mm)	B (mm)	C (mm)
XCBHMSA	45	24	13



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Document No: **V5**

7.5-12V
5.8GHz ±
0.075GHz

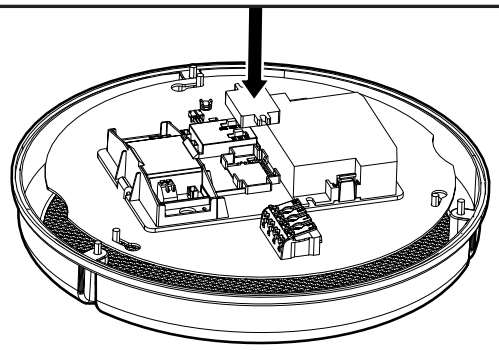
IP20

ta
0°C to 50°C

INSTALLATION & OPERATING INSTRUCTIONS

Product Name: XCBHMSA

1



Snap the sensor into the plastic housing as shown.

Default Settings

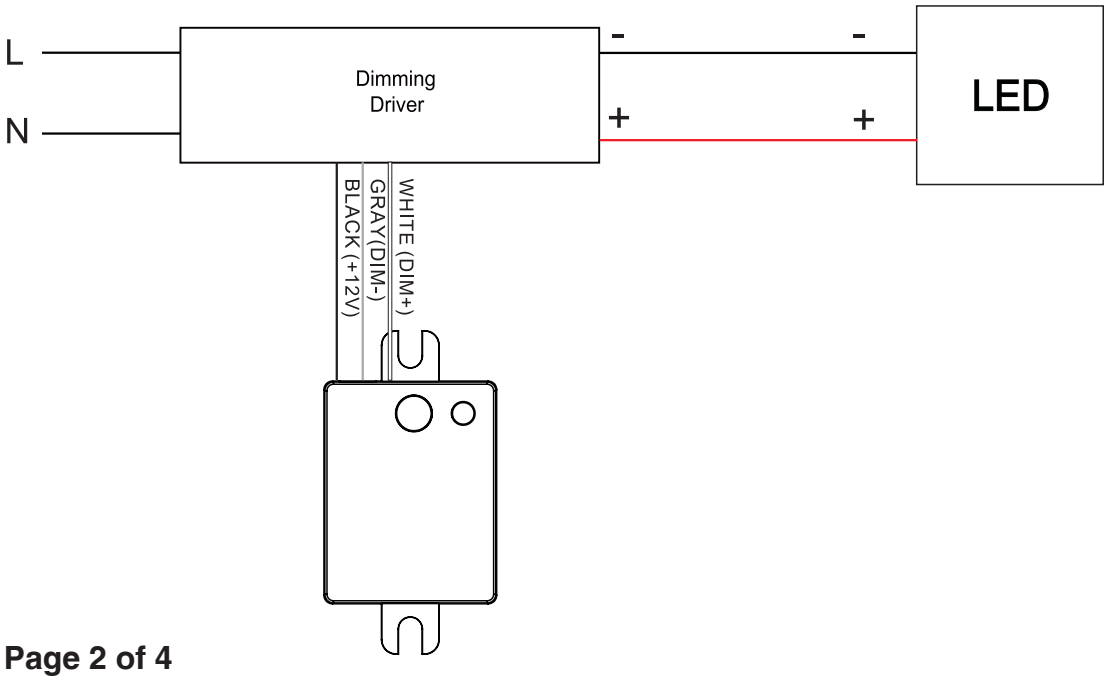
Sensitivity	Set to 100% (Maximum)
Hold Time	Set to 10 minutes
Standby Time	Set to 1 minute
Daylight Threshold	Disabled.

Specification

Power Supply	7.5 - 12V DC
HF System	5.8GHz ± 0.075GHz
Dim Control Output	5V PWM (Gradual change)
Detection Radius/Angle	Max 5m / 360°
Mounting Height	Max 2.5m

Wiring Diagrams

ANT-9A wiring with dimming ballast or LED driver



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Function Illustration

With sufficient natural light, the light will stay off when presence is detected

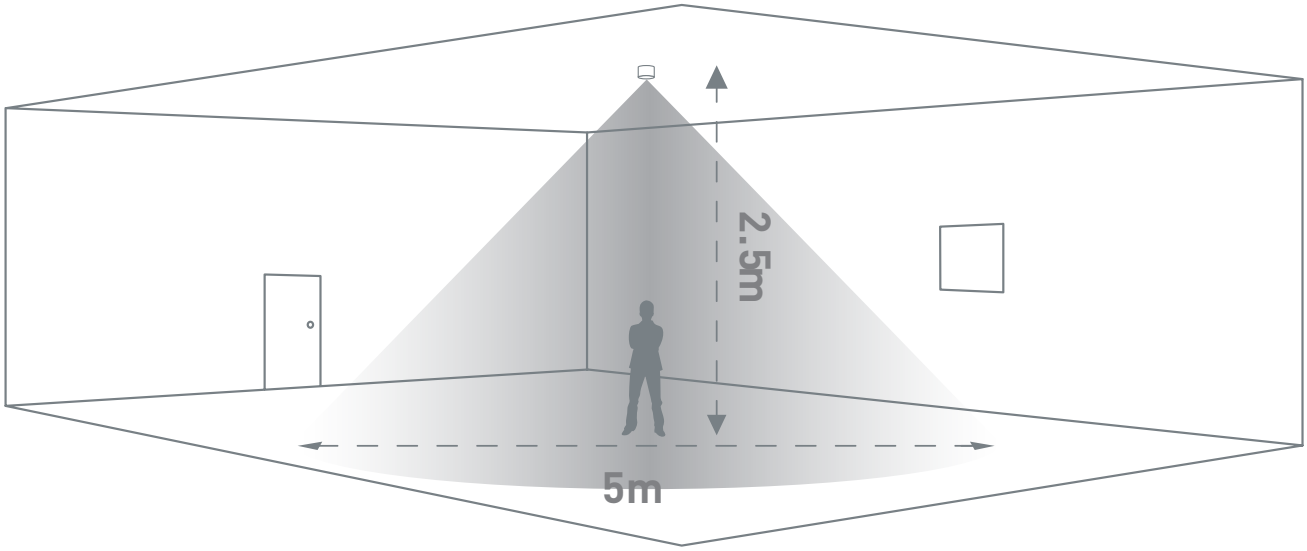
If there is insufficient natural light, the light will turn on if presence is detected

If presence is not detected, the light will dim to the set standby level - (50%)

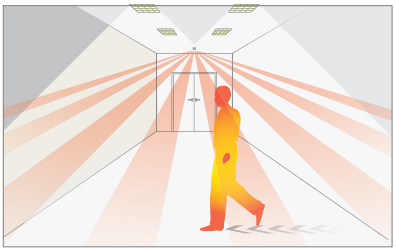
Light switches off automatically after the set dimming time has elapsed

Sensor Detection Pattern

high < sensitivity > low



Walk across



Height	Range Diameter
2.5m	5m

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DIP Switch Settings

Function	Detection Area		Hold Time			Daylight Sensor			Stand By Period			Stand by Dim Level	
Dial Code	1	Detection Area	2	3	Hold Time	4	5	Light Control values	6	7	Stand By Period	8	Stand by Dim Level
I	ON	100%	ON	ON	5s	ON	ON	15 Lux	ON	ON	0s	ON	10%
II	-	50%	ON	-	30s	ON	-	50 Lux	ON	-	1min	-	30%
			-	ON	3mins	-	ON	150 Lux	-	ON	10min		
			-	-	10mins	-	-	Disabled	-	-	∞		

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