



CG500MS
ZigBee PIR Motion Sensor

CG500MS Installation guide

Ratings

Power Supply	External DC6V, 100mA By CG101AD (Not included)
RF frequency	2.4GHz

Accessory



CG101AD Mini Power supply
(Not included)

Before getting started



WARNING! The product must be installed by a qualified electrician in accordance with all applicable regulations and building codes. Improper wiring can result in personal injury or damage to control units or other equipment. Always turn off circuit breaker or remove main fuse from power line before doing any work. To avoid overheating and possible damage to equipment.



WARNING! Do not operate control units with any lamps removed or burned out; replace any burned out lamps immediately; use only transformers that incorporate thermal protection or fused primary windings. ! The product is designed for residential and commercial use, for indoor use only.



WARNING! Install in accordance with all national and local electrical codes.



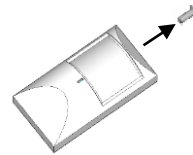
IMPORTANT! Citygrow® is not liable for any damage incurred with the misuse of this product.



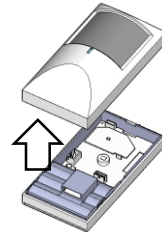
IMPORTANT! Pre-setup can only be done by a professional worker or manufacturer agent.

Installation instruction

STEP 1: Open the front cover by removing the fixing screw.



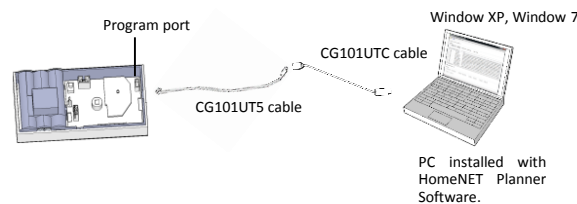
STEP 2: Open the front cover.



STEP 3: Connect the CG101UT5, CG101UTC cable from the program port to a PC that installed with Citygrow's HomeNET Planner Software.

Website to download: www.citygrowsys.com

Please note that you DO NOT need connect the product with external power. During this setup process, the PC will power the product through the cables.



During the setup process in HomeNET Planner, two different processes are needed. One is to assign the network ID to the PIR sensor, the second is to set the scene / mood for home automation control. Please do not disconnect the cables during the entire setup process.

Refer to the user manual of HomeNET Planner Software for setting up the product in more details.

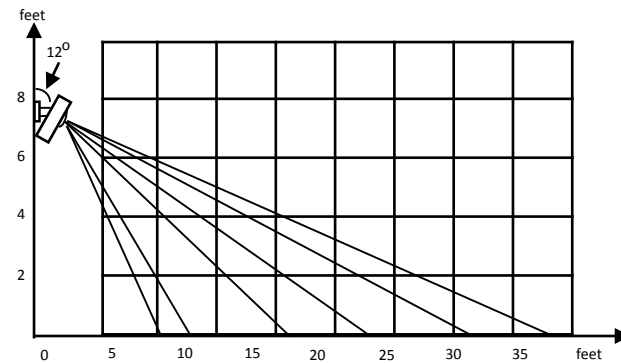
STEP 4: After finishing all the setup steps with HomeNET Planner Software, please unplug the cables and put the front cover back to the main unit and fix it with the screw at the top of the product.

STEP 5: Connect the product to the CG101AD power supply. The LED indicator will be ON for 2 seconds, if a motion is detected, the LED indicator will be ON for 2 seconds again.

STEP 6: Mount the PIR sensor at a location for your application. The following diagram will show a typical example.

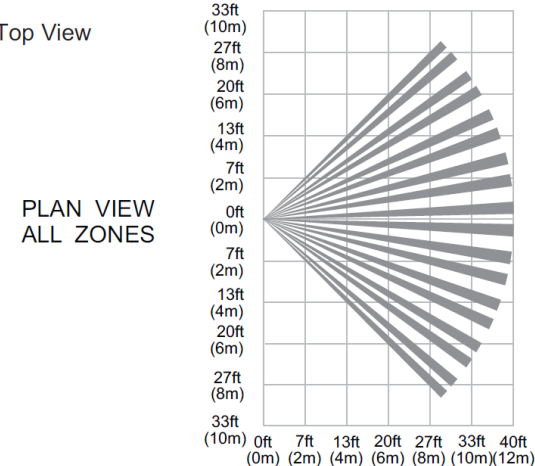
Warning!! This product is not designed for outdoor use. Install this product indoor only. It is not suggested to locate this product close to big metal, heat or strong radio sources.

STEP 6.1: Select a location to mount the PIR sensor, the follow diagram will show the PIR sensor range and angle.



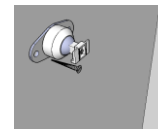
Horizontal pattern and angle

Top View

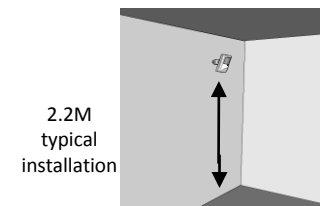


PLAN VIEW
ALL ZONES

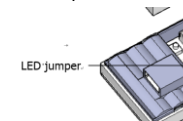
STEP 6.2: Mount the wall mount hanger on the wall



STEP 6.3: Insert the PIR sensor into the wall mount hanger.



STEP 7: VERY IMPORTANT !!!!! Try a walk test and see the LED indicator is operating correctly or not. If a motion is detected, the LED will be ON again for 2 seconds. If everything is correct, remove the front cover again and remove the LED jumper. (see figure below). Then, during normal operation, the LED indicator will not be ON again.



Connect the PIR with external power supply

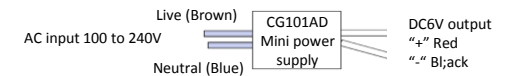
You need to connect the PIR sensor with external power supply !
STEP 1: IMPORTANT! Turn off main power at the main switch board.



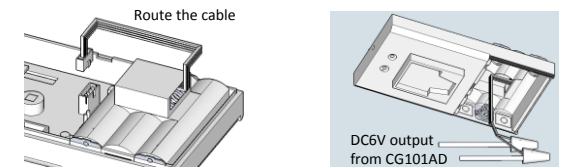
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STEP 2: Connect the main power cable from the wall box to the Live and Neutral wires of the CG101AD Mini Power Supply (purchase separately).

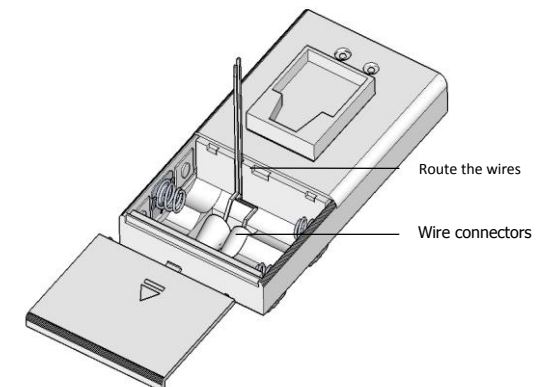
Make sure the Live is connected to the Brown wire (Live) and Neutral is connected to Blue wire (neutral) of CG101AD.



STEP 3: Plug the provided external DC power connector into the external DC socket and route the cable according to the following diagram. Then connect the DC output of the CG101AD to the external DC power connector, pay attention to the polarity of the wires, black is GND, red is DC 6V.



STEP 4: Locate the wire connectors inside the recess area of the battery compartment and address the cable before closing the battery door.



Details:

1. For detail operation and specification, please refer to user manual and product specification.

2. For detail programming of the product, please refer to HomeNET Planner Software user manual.
www.Citygrowsys.com

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