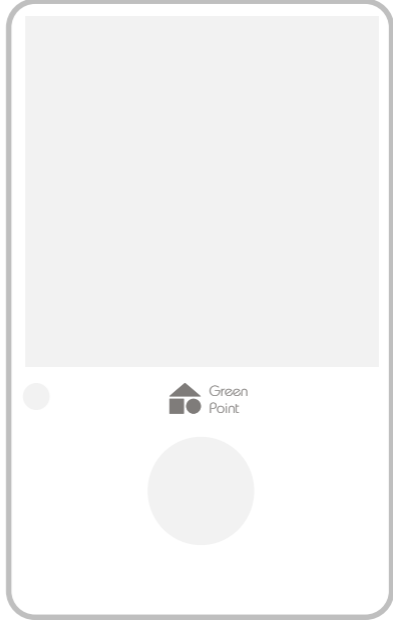




Green  
Point

## **Sensor** User Manual



# Introduction:

Thank you for purchasing an **igh** control device.

The **igh** system is designed to automate home control and provide easy remote operation of all your electrical appliances/lights connected to system. **igh** products include a variety of devices to control your home. The products can be installed in one room, expand to additional rooms or to the entire house according to your needs and budgets.

Green Point products are constructed with careful attention to detail, using only high quality materials, assuring peak performance over time.

## **Warning!!!**

### **Controlling Appliances:**

**igh** systems can control electrical appliances either remotely or automatically, allowing electrical appliances or light to be activated without the operator's presence in the room. Extreme caution must be taken to avoid hazard conditions.

# Important

## Read before installing

1. Install in accordance with all national and local electrical codes and local regulations of your country.
2. The products of the **igh** system range are designed to be used and installed in domestic and similar environments where there is no need for special protections against the ingress of water.
3. The installer must hand the user manual over to the user and should stress that the user become fully familiar with it.
4. In case of a breakdown or malfunction, please contact an authorized technician or the **igh** products support center.
5. There are no serviceable parts in this unit.
6. Do not paint on the **igh** Sensor.
7. Operate between temperatures of -10 °C to 50 °C.
8. Clean the **igh** Sensor only with a soft dry cloth. Do not use any chemical cleaners.

# General Product Description

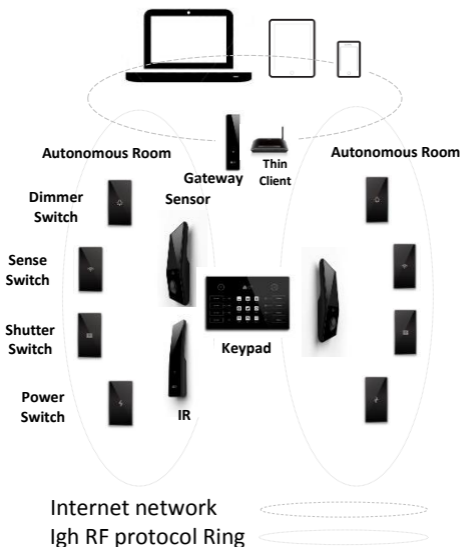
## System overview

**igh** is a home automation and power management system, enabling unified and automated control over electrical appliances connected to the system.

The system is composed of 5 main components:

- **igh** Smart Switch
- **igh** Sensor
- **igh** Keypad
- **igh** IR Bridge
- **igh** Internet Gateway

## System Connectivity



# Functions

## Key features:

- PIR – Motion Sensor
- Light intensity meter
- Thermometer
- Real time clock
- RF communication with **igh** units.

## Operating Modes

There are 2 operating modes, Normal and Disabled, that can be toggled manually on the bottom part of the sensor.

### Normal - I

The sensor will operate normally, transmitting collected information and occupancy status in accordance with its pre-configured parameters.

### Disabled - O

The sensor will stop collecting some or all environmental and occupancy information according to users preferences.

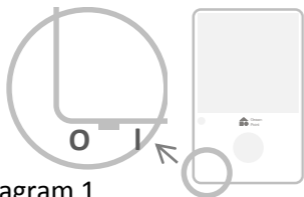


Diagram 1

## Low Power indication:

When the battery is low, the red LED light will turn on. **igh** systems on smartphones and tablets will also indicate a low battery. When this happens expose the sensor to sunlight for a while. If this problem remains, contact the **igh** products support center.

## LED Indicators

(Icons appear only when the LED is on.)

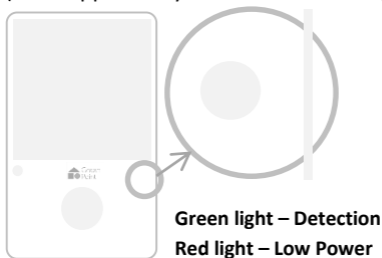


Diagram 2

## Mounting

Select a mounting location for the Wireless Motion Sensor. When choosing an appropriate location, the following should be considered:

- Detection angles (refer to diagram )
- A mounting height of 1.8m is recommended
- RF range
- Shielding the motion sensor from direct sunlight, if possible, for better motion- sensing reliability.
- Avoiding placement of the motion sensor near heat or cold-producing devices.

Use the installing mold included to mount the **igh** Sensor. Select a location to install the **igh** Sensor, and with the installing mold in place, mark the drill holes with a pencil. Drill holes in the marked areas. Use a hammer to tap the dowels into the holes. Place the base over the dowels, insert the screws and tighten them to build a base for the **igh** Sensor. The Sensor can then be hung on the base and adjusted to the correct angle, using the back brackets of the Sensor.

Please refer to the “Detection Test” to determine the best mounting angle.

## Installation

1. Verify that the operation mode is on Disabled – 0 (Diagram 1).
2. Activate the **igh** Sensor power. The power switch is located on the back of the sensor behind the mounting doors. Use a thin sharp object to move the sliding switch.
3. Install the Sensor on the base.
4. The green LED will illuminate, do a detection test.
5. Move the operation mode to Normal - 1
6. The **igh** Sensor is ready for activation.

## Detection Test

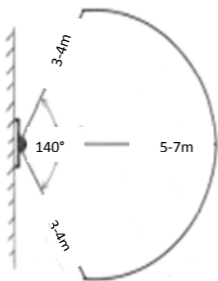
It is important to perform a Walk Test after mounting the **igh** Sensor in order to determine if the sensor is properly detecting motion in the desired areas. The Walk Test mode will indicate whether motion is detected by an illuminated green LED. The Walk Test mode is automatically activated when turning on the sensor, while the operation mode is on 0 (Disabled).

The angle of the **igh** Sensor may be adjusted, in order to control how far the Motion Sensor can “see”. To reduce the detection range, simply tilt the sensor downward. To increase



the range, tilt the sensor upward. You can use two or more Wireless Motion Sensors to improve detection coverage in an area. Multiple motion sensors can cascade to act together as a single motion sensing device, thus increasing the detection coverage. The “motion detected” event will happen when any of the cascaded motion sensors detect motion. This cascading process is done within the **igh** software installation wizard. The main sensor will be classified as the master and the rest as slaves.

### Detective Angle



# Occupancy Hold Time

When motion is detected in the monitored area, the **igh** Sensor sends a "motion detected" event to the **igh** units. When no motion has been detected for the designated time period (Occupancy Hold Time), the listening units will assume that there was no detection at the time and will operate accordingly.

## SPECIFICATIONS

**Network Coverage:** Up to 10m radius

**Coverage max:** 110°-160° Wide Angle Lens  
3m-6m depending on sensitivity setting,  
mounting angle and temperature.

**Unit Dimensions:** 10.5 x 5.6 x 2.4 (cm)

**Signal (Frequency):** ISM BAND (433.050 -  
434.790 MHz)

## WARRANTY

Green Point Products warrants this product to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this product.

# Regulatory Compliance

The IGHS- **igh** Sensor unit has been tested and found to comply with specifications for CE marking and standards per EMC and radio communications and safety Compliance.

## **SAFTEY**

EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011. Information technology equipment - Safety - Part 1: General requirements.

## **EMC**

ETSI EN301489-1 and EN301489-3  
Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electro-Magnetic Compatibility (EMC) standard for radio Equipment and services: Part 1: Common Technical requirements.

## **RADIO**

ETSI EN 300 220 V2.4.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1,000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods.



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