

# Exled ZigBee

## Industrial Wireless Lighting Control System

Fully Programmable Group and Individual Fixture Control



**WiFi Gateway**  
ZIG-1-GATEWAY



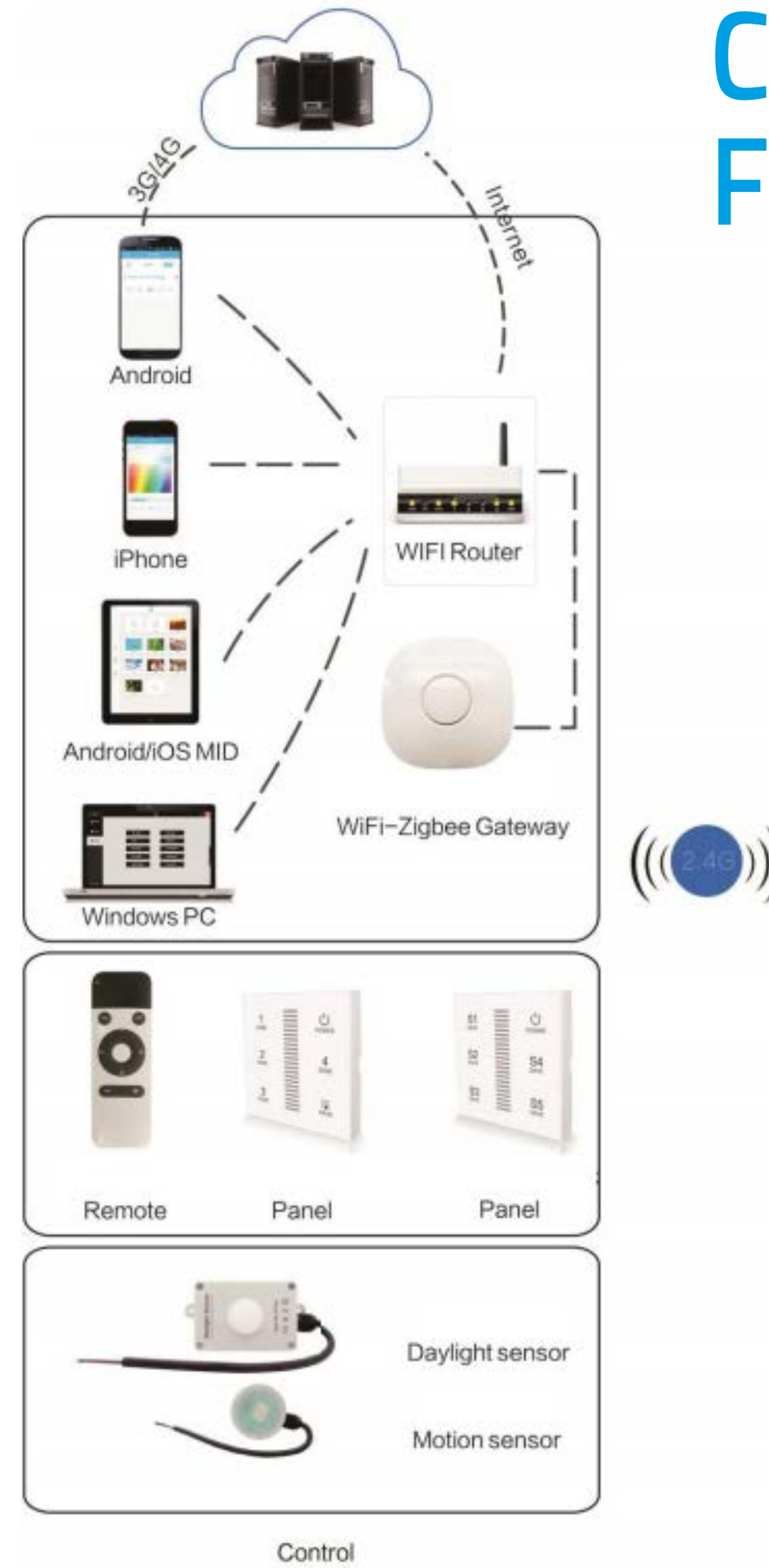
**Wireless Dimming Controller**  
ZIG-1-10SW



**Daylight Sensor**  
ZIG-1-DAYSEN



**Motion Sensor**  
ZIG-1-MTSEN



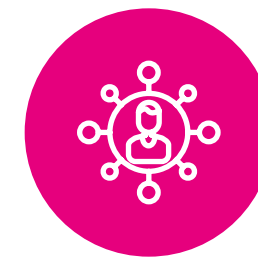
# Connectivity Flowchart



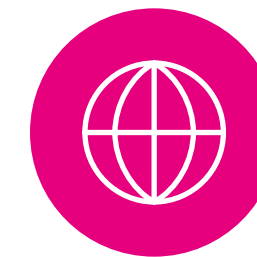
# New Features



AES Encrypted



Multiple Gateways



Linux Web Server for Big Projects



2 Way Communication



Time Scheduling



Energy Consumption & Failure Statistics



Passive Wireless Switch



Software OTA Update



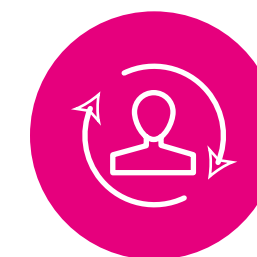
Bluetooth Mesh Interface for Future Use



Area & Scene Control



Account Management



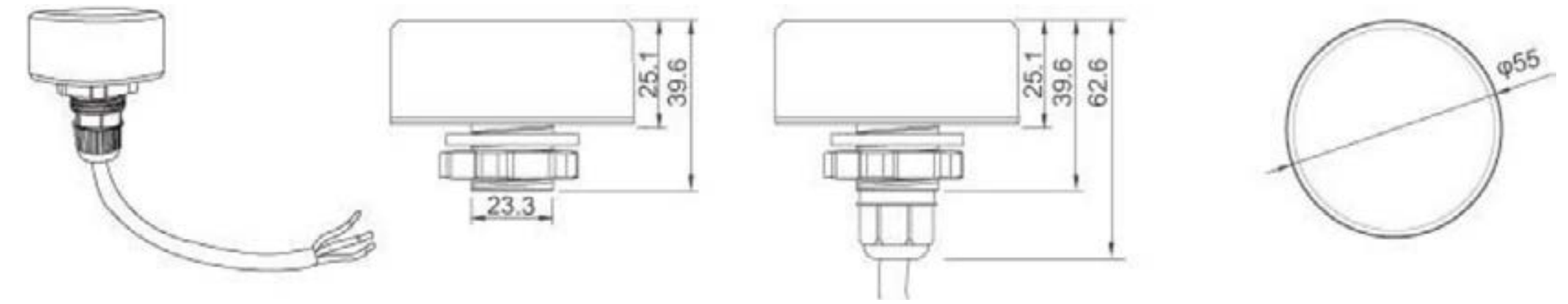
Standard ZHA Protocol

# Motion Sensor

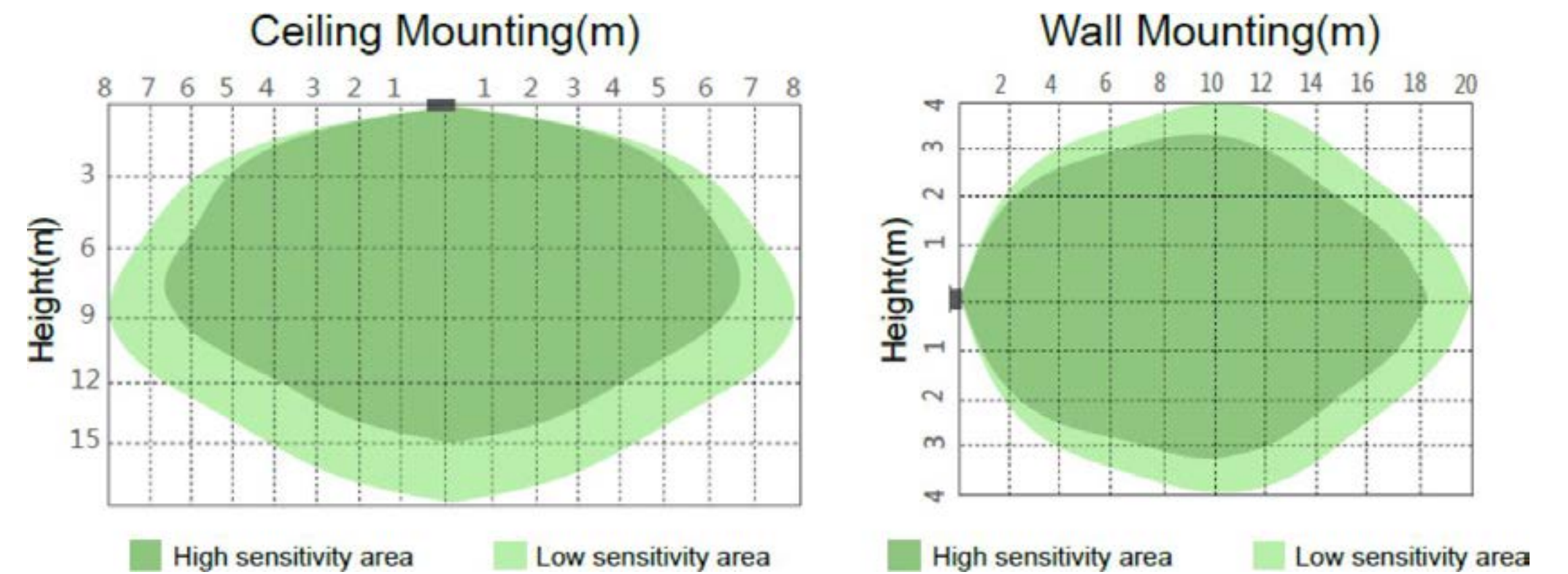
Working with the iLightsIn Pro system, this motion sensor can turn on the lights based on movement and dim them to a preset lux before totally turning off.



## Dimensions



## Mounting Positions



# Daylight Sensor

With constant illuminance control, the daylight sensor is used to detect the level of illuminance and adjust the output of the lighting system accordingly to reach a preset level. It is a great saver of energy and lifespan of the artificial lighting, as it aims to use the natural daylight to its fullest.



Product Code	ZIG-1-DAYSEN
Input Voltage	AC100-277V
Frequency	2.4GHz
Operating Temperature	-40°C to 85°C
Lux Range	0-8000lux
Sensitivity	10lux
Waterproof	IP65
OTA	Yes
Dimensions	109mm x 60mm x 50mm
Weight	110g

## Mounting Positions

This sensor must be installed in a position where both light illuminance and environment illuminance could be detected.

# Case Study: Train Company

**High bay:**  
760pcs.

**Requirement:**  
Dim by area, dim automatically.

## **Solution:**

1. Bind ZigBee controller in different groups via app on phone.
2. Bind the ZigBee daylight sensors with groups accordingly.
3. Click the daylight sensor and get the constant lux (click it every 10 seconds).
4. Set a constant illuminance to your favourite lux.
5. For example: 250 lux.  
When daylight sensor detects the environment is 200 lux, it will send a command to the ZigBee controller to brighten the highbay to 250lux.



Precise lighting control can significantly reduce both energy use and light pollution.

The Exled Zigbee system can be used to control almost all of our fixtures, to find out more please get in touch.

Call 01453 756 361

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