

Light Symphony

Wireless PIRs

LightSymphony™

Wireless PIR Sensor



SPECIFICATIONS

Supply	230VAC
Power	1W
Frequency	434.075MHz
Outdoor Rating	IP44
Safety Rating	Double Insulated
Physical	H85mm x W60 mm x D80mm
Ambient Temp.	-20°C to +40°C
Detection Range.	12m / 180° max.



INTRODUCTION

The "Wireless PIR" unit is a mains powered device that uses a long-range wireless transmitter to trigger Light Symphony Lighting Control Modules. The PIR is user-adjustable for On-Times of 1 to 15 minutes. The ambient light level is also easily set using the external adjustment.

When triggered, the unit is factory pre-set to transmit the command; "ALL AREAS ON", which will switch the whole garden on. The PIR can easily be re-programmed to trigger a specific Area or zone from 1 to 29 using the internal DIP Switches. This feature allows multiple PIRs to be used together to control different lighting circuits or groups.

WIRELESS RANGE

The transmit range of the unit is up to 1,000 meters line-of-sight, but this will be reduced by walls and other obstacles.

In all cases, it is strongly recommended that a range-test be carried out before final installation.

If additional range is required a Base-Station or Repeater unit may be installed, these units echo the commands transmitted by the PIR thereby extending its range.

SAFETY INSTRUCTIONS

**ELECTRICITY CAN KILL
IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN**

This unit must be installed by a qualified electrician adhering to current national electrical installation standards.

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TIMER ENABLED

Where the PIR is used in conjunction with a Light Symphony Base-Station timer, it is possible to set the PIR to operate at programmed times only, for example Dusk - Midnight (after midnight the PIR is disabled).

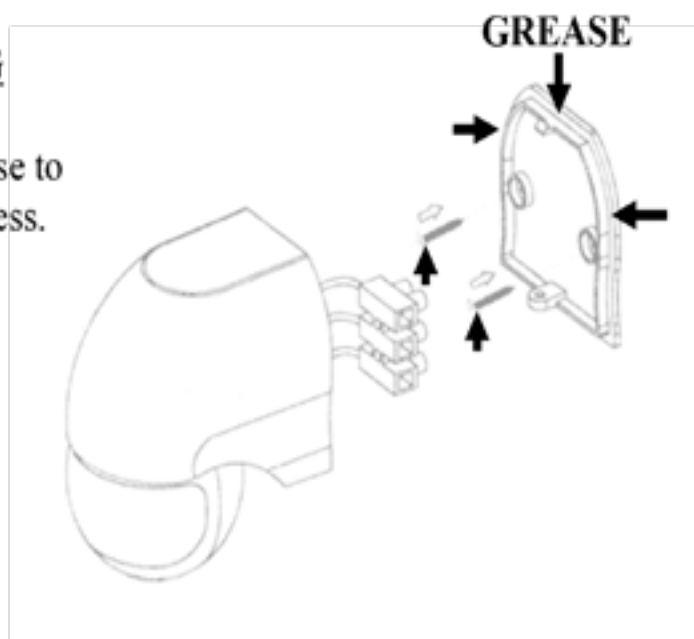
1. Set up the PIR as described to trigger the desired Areas and check its functions as required.
2. Set the DIP switch #6 to ON
3. Set up the Base-station's PIR timer function to the required operating time.
4. To test, temporarily advance the Base-station's clock to a time within the PIR's operating window e.g. 22:00.

NOTE:

When using this feature the PIR will transmit only to the Base-Station, which will re-transmit commands to the lighting controller(s). Therefore, ensure the Base-station is in good wireless range of the all PIRs and lighting controllers.

IMPORTANT: WATERPROOFING

Add a continuous run of silicone grease to the lip of the lid to prevent water ingress. Grease is required on the top and side edges only (do not grease the bottom edge). Also grease under the fixing screw heads.



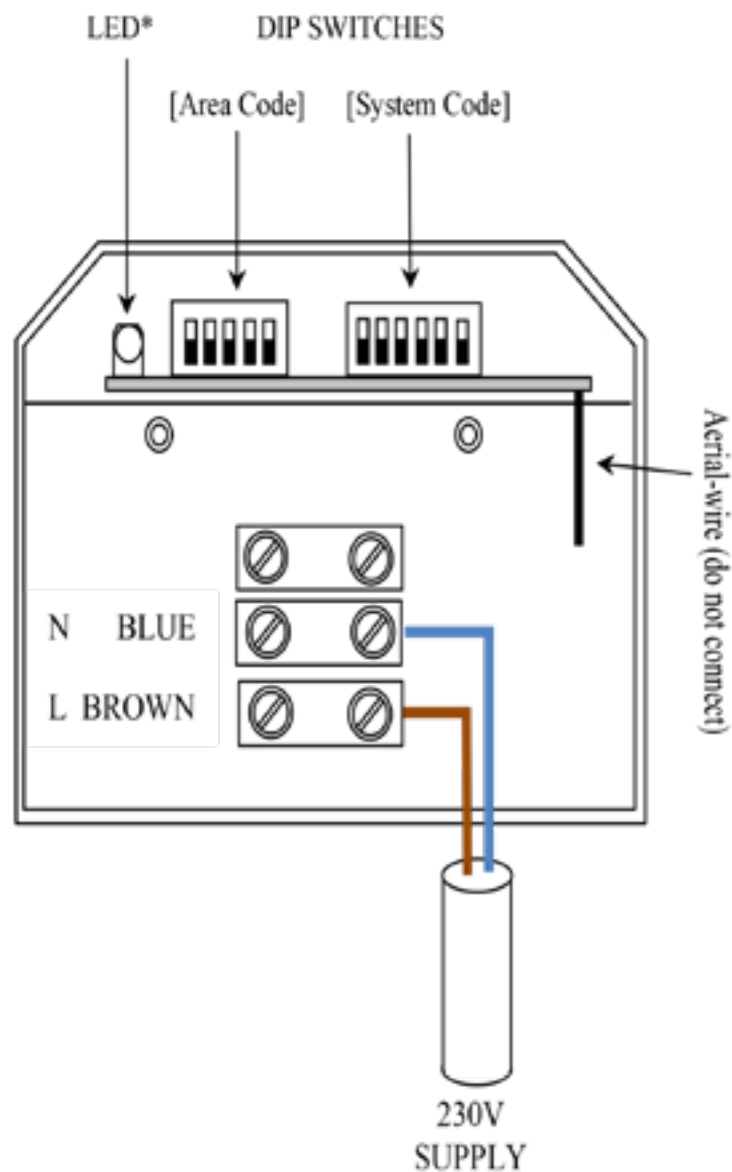
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ELECTRICAL INSTALLATION

The PIR requires an un-switched 1Amp rated mains supply. No earth is required.

The electrical wiring is shown below:



IMPORTANT:

1. Do **NOT** adjust switches while the mains supply is on.
2. Make no connection to the aerial wire or damage may result.

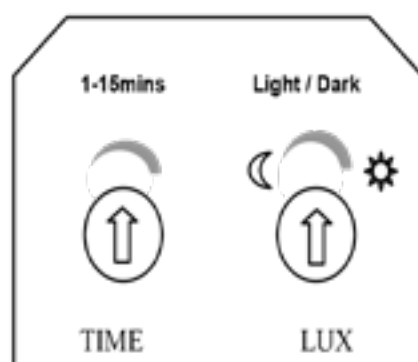
*The LED indicates a healthy mains supply and blinks when the PIR is triggered.

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INSTRUCTIONS FOR USE

On the underside of the PIR are two adjustments, set these after installation to suit the location. By adjusting the LUX wheel fully clockwise the PIR will trigger in daylight allowing a walk-test.



NOTE: After adjusting the TIME wheel the PIR may take several trigger cycles to adjust to the new setting, please be patient.

PROGRAMMING

The unit was pre-configured at the factory to trigger the whole garden (ALL AREAS ON) but can easily be re-programmed using the DIP switches. See the enclosed sheet.

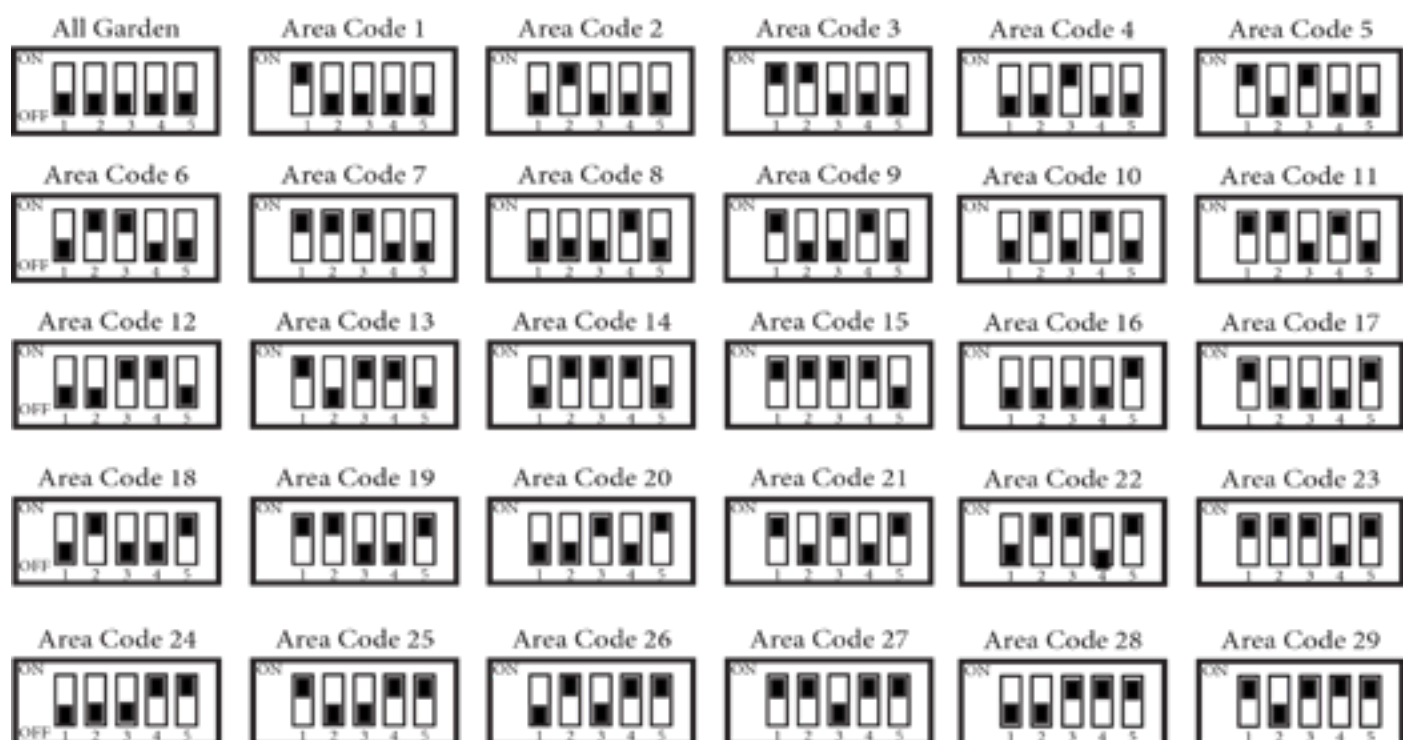
1. Ensure the PIR is powered (allow 1 minute to warm up).
2. Use the tables on the insert sheet to set the DIP switches for the required 'System code' and 'Zone/Area' number.

Note : The SYSTEM code is used to prevent interference from neighbouring systems. Choose a random number from 2-29 and set all devices on your system to the same code.

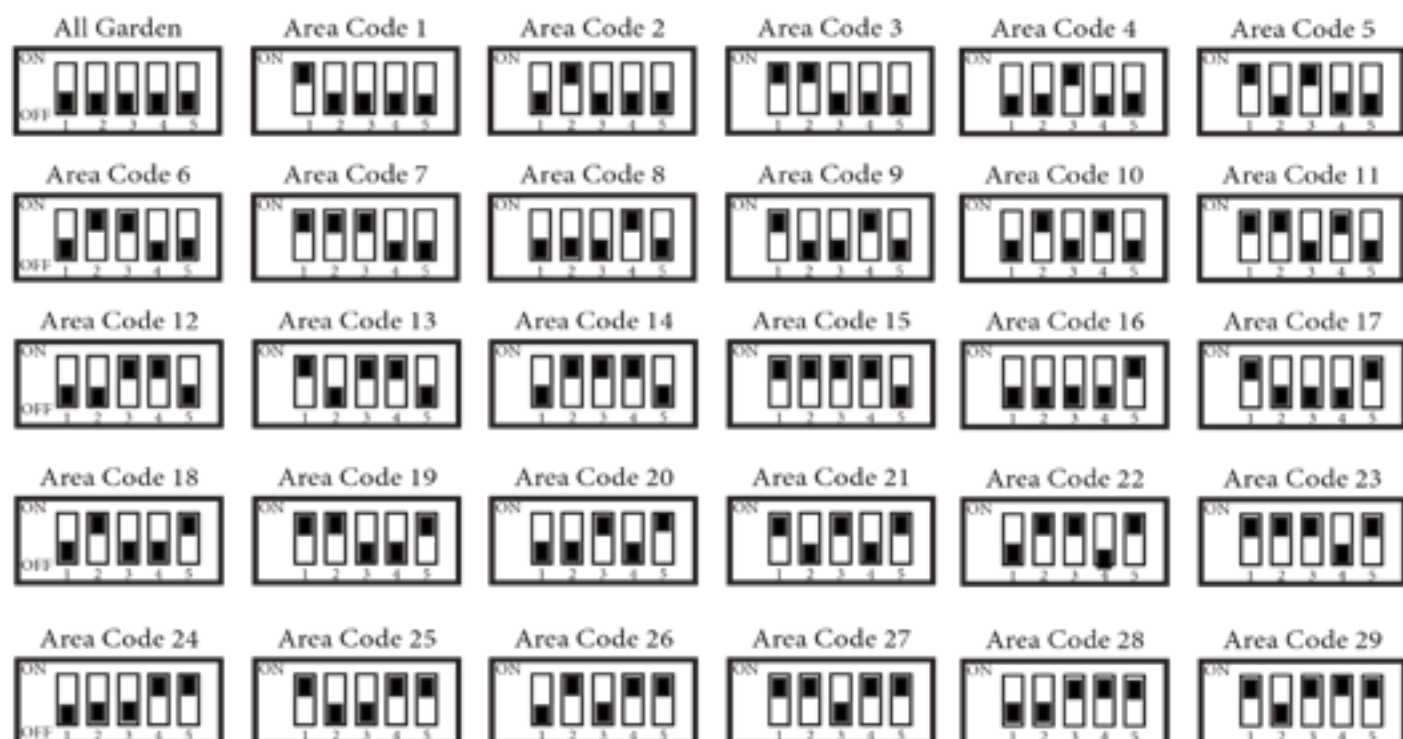
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AREA (Zone) Code



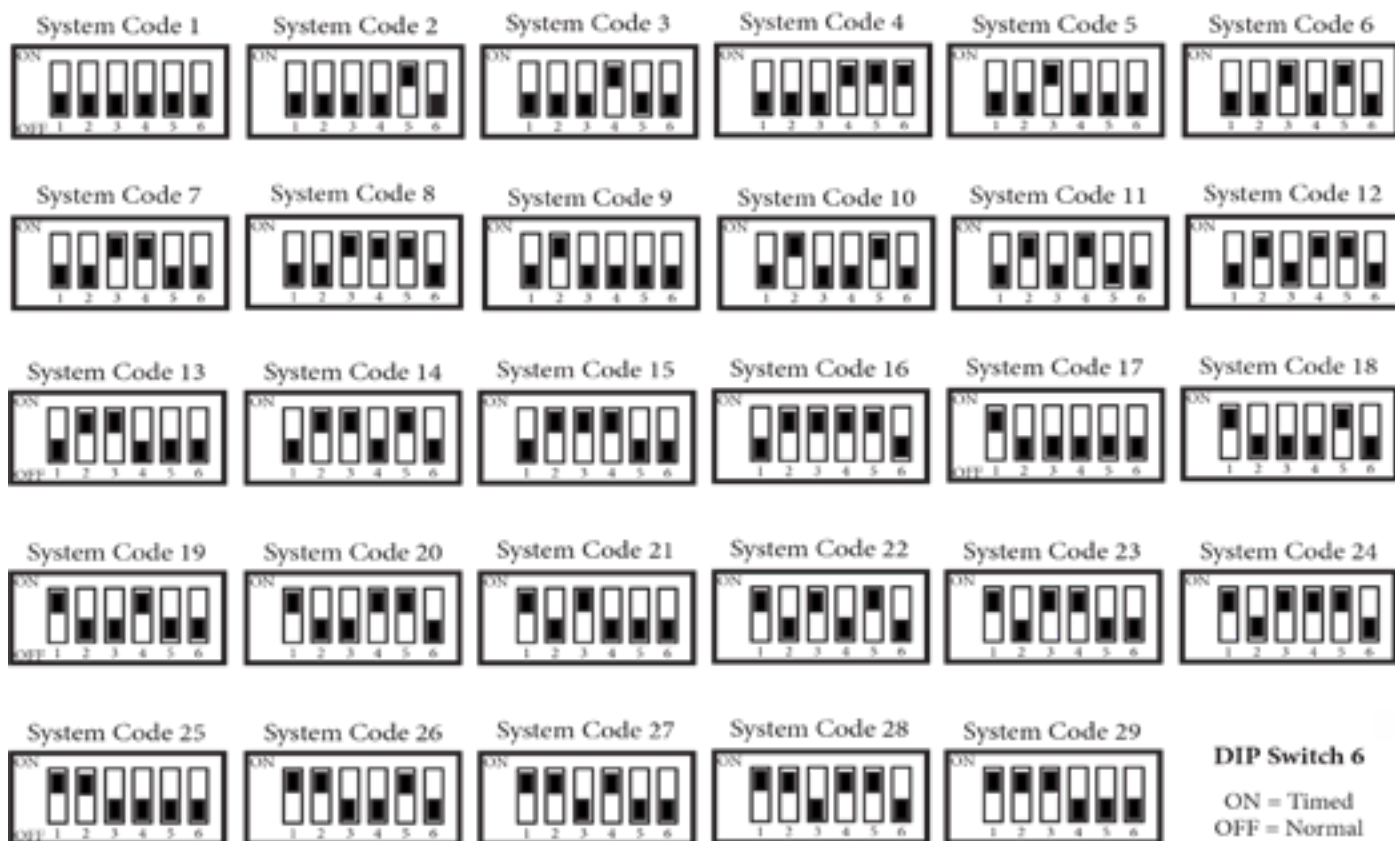
AREA (Zone) Code



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SYSTEM Code



SYSTEM Code

