

Driveway & Long Range Beam Sensor & Repeater

Features

- IP66 Tough ABS enclosure
- Invisible beam sensor
- Adjustable on-time 1-15mins
- Does not over-ride user's control
- 1000M* range
- Signal Booster (repeater)
- Dusk sensor



Part No. LS3081000DBS

Description

The wireless Driveway Sensor & Signal Repeater performs two separate functions;

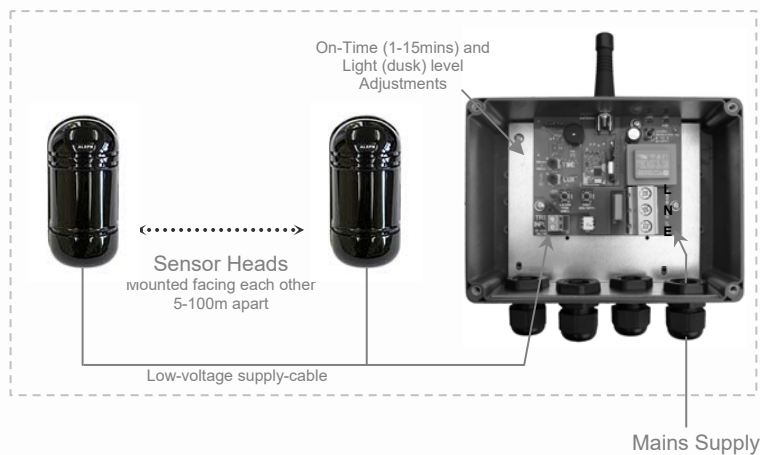
1. A neat sensor which wirelessly triggers the lighting when the invisible beam is broken, which creates a reliable, nuisance-free, welcome-home effect.
2. The signal repeater echo's commands received from any of Light Symphony's other wireless transmitters. Up to 5 repeaters may be used together to extend Light Symphony's range by 1000 meters* radius *each*.

Specification

Input	-	Active IR invisible beam. Optical range 5 – 100 Meters
Enclosure	-	IP66, UV stable, ABS plastic with non-penetrating wall-mounts Semi-clear lid & neoprene o-ring. Colour RAL7011
RF	-	Signal Repeater using 434.075MHz Narrow Band FM
Coding	-	Security channels 1–32
Power	-	Supply: 230VAC +/-10% 50Hz Standby <1W.
Size	-	Sensors: 50 x 75mm. Controller: 225 x 185 x 85mm
CE Compliance	-	EN 50081 – 1, To EN 50082 – 1
Range	-	1000 metre wireless range*. Note* stated range is line-of-site, obstacles will reduce this.

Application Example

Driveway Long Range Sensor / Repeater
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1KM Wireless Range



How to use it

Not effected by wind or animals, it provides nuisance-free sensing for driveways or paths, and will wirelessly trigger any number of lighting controllers for a short time when the beam is broken.

Its on-time is adjustable from 1 to 15 minutes and includes a dusk sensor to prevent unwanted triggers in daylight hours. It will *not* interfere with the user's control, meaning that lights that have been switched on manually will not be affected.

Power and lamp savings can be achieved too, for example, by dimming the driveway lights to a lower brightness (e.g. 25%) and using this unit to trigger them to 100%.

Its 1000 meter* signal-repeater extends Light Symphony's wireless range as detailed below.

Signal Repeating

Uniquely, Light Symphony can be scaled to suit almost any sized project with the use of a few signal repeaters. Each signal repeater will add a 1000 meters* radius of extra coverage to a system. Up to 5 signal repeaters can be used together to achieve over a 5KM[†] range.

Each repeater will echo commands to all other repeaters on the system. This guarantees commands are reliably relayed over the *entire* site, wherever they originate from.

To achieve this and avoid interference, all repeaters are assigned a unique ID number from 1 to 5. For reliable operation, it is important to install repeaters so that adjacent numbered units are within good wireless range of each other, as shown below;

