

## Gate Interface & Signal Repeater



### Features

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

Part No. LS30800REP

## Description

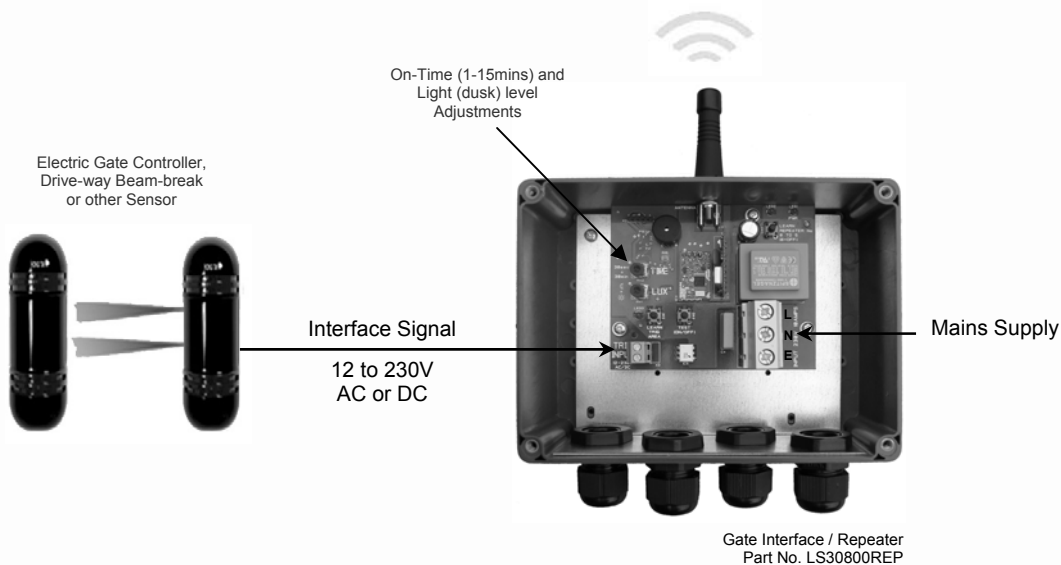
The wireless Gate Interface & Signal Repeater can perform two separate functions;

1. Interfacing to electric gates or other sensor to provide automated lighting control when vehicles approach. When triggered, it wirelessly signals to the Lighting Control Modules an on-time of 1 to 15 minutes. It contains an adjustable dusk sensor to prevent trigger during daylight.
2. The signal repeater echo's commands received from any of Light Symphony's wireless transmitters. Up to 5 repeaters may be used together to extend Light Symphony's range by 1000 meters\* radius *each*.

## Specification

Input	-	Isolated 12-230VAC/DC Trigger, <20mA
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 1-16
Power	-	Supply: 230VAC +/-10% 50Hz Standby <1W.
Size	-	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



## How to use it

The Gate-Interface provides a wide voltage, isolated input which can be connected to a variety of 'triggers' such as an electric gate controller or driveway light-beam detector. Using this interface, the lighting can automatically be switched on for a short time when, for example, a vehicle approaches.

Its on-time is adjustable from 1 to 15 minutes and it 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.

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<sup>+</sup> 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;

