

L6506R_LS6507R PRESS RELEASE

VERSATILE PIR INTERFACE IC CONTROLS ANY TYPE OF AC LOAD

LSI/CSI introduces the **LS6506R**, a step forward in PIR Sensor Interface ICs. Since the **LS6506R** is designed to drive a latching relay, it can be used in a Wall Switch configuration (no Neutral available) to enable the full AC Mains cycle to be applied across any load rendering the Wall Switch suitable for driving all types of resistive and inductive loads including incandescent lamps, fluorescent lamps, electronic and magnetic transformers, motors, etc. Products incorporating the **LS6506R** produce energy savings in commercial and home applications. A sister chip, the **LS6507R**, drives a triac in series with the load and is suitable to be used in a lower cost Wall Switch configuration for driving incandescent lamp loads.

For home and commercial occupancy sensor applications, the ICs can be used in Wall Switch configurations to manually or automatically switch loads on and off. For commercial applications, a feature is offered where the lights can be manually switched off and will remain off as long as motion is detected allowing for uninterrupted Power Point Presentations, etc.

Other features include:

- Five timeout selections ranging between 30 seconds and 30 minutes.
- Two operating modes.
- On chip voltage regulator for reliable performance.
- PIR sensitivity adjustment.
- Ambient light override control.
- LED indication for motion detection.
- 50Hz/60Hz operation.

LS6506R and **LS6507R** are available in RoHS compliant 16-Pin SOIC and DIP packages.