

# EE936DES

## ePIR-Protection

- Exclusive SD & AUTO LED Sensing Technologies
- Remarkable Detection Performance
- Outstanding Stability & Reliability in Harsh Environments

## eLEDing – Illumination

- Automatic Visual Alert Controlled by ACP
- Automatic Safety Lighting as Additional Benefit
- Light with EMC Backup Lighting Capability

## Hybrid Power Sources

- Standard AUX Power via ACP
- AC-DC Adaptor in Use for AC Power Outage Monitoring
- Can Be Used with Solar Panel as Green Power Source



(Optional Table Stand Produced with Portability)

The innovatively designed **eTri-Tech/EE936DES**, a pure Digital Protection Unit, is especially focused on compatibility, affordability and practicability of wide scale Residential, Commercial and Industrial applications. Based on an exclusive single chip solution platform, **EE936DES** includes our next generation **ePIR™** technology for remarkable detection performance. It is compatible with most of the Alarm Control Panels and providing super bright LED visual illumination to increase the deterrent effect towards intruders, capture ability of video/CCTV systems, and security / safety lighting capability.



Space Detector

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## HIGHLIGHTS & FEATURES

### High Performance Motion Detector:

Built in next generation ePIR™ technology with outstanding detection performance.

### Visual Illumination and Powerful Warning Enhancement:

Super bright LED matrix enhances deterrent effect towards intruders and capture ability of video/CCTV.

### Intelligent Power Management (IPM):

Exclusive IPM technology monitors battery capacity and power source status, controls battery charge and discharge process, and as well as generate the most efficient illuminating process.

### Emergency Function:

Built-in Lithium-Polymer rechargeable battery enables automatically illumination in case of power outage.

### Hybrid Power Source

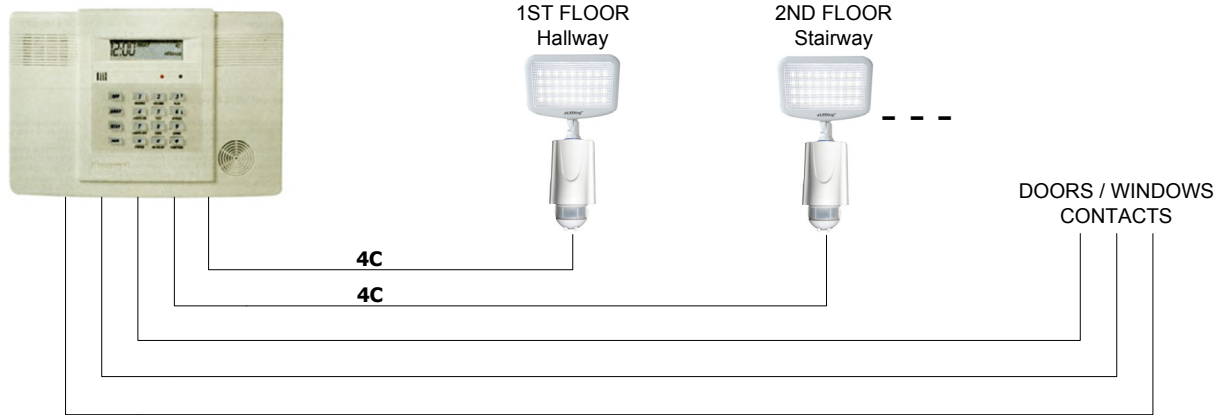
Solar power, car lighter and standard AC power supply individually or combined charge green Li-polymer battery.

### Practicability:

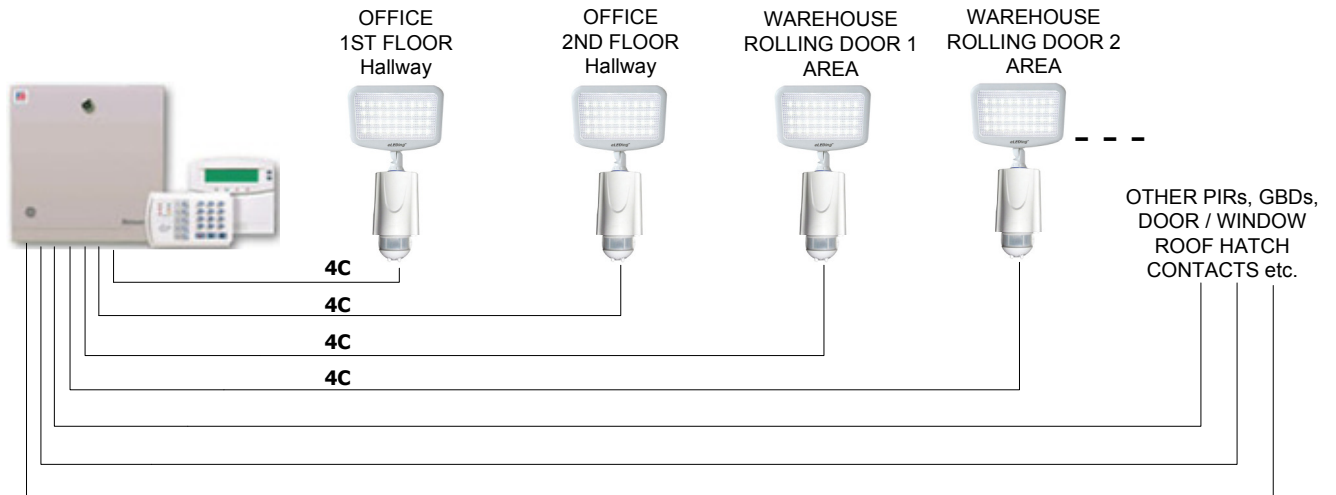
Highly practical for **"Security & Safety Combining Programs"** with multi-function and lighting back-up features.

# EE936DES

## TYPICAL RESIDENTIAL SETTING METHOD



## TYPICAL COMMERCIAL SETTING METHOD



Space Detector

## EE936DES General Specifications

ePIR	<b>Detection Method:</b> Quad (Four element) ePIR	<b>Alarm Period:</b> 2 sec	<b>Operating Humidity Range:</b> 95% max relative humidity
	<b>Power input:</b> 9.6 - 16 Vdc	<b>Alarm Output Relay:</b> N.C/N.O. 28 Vdc 0.1A with	non condensing
	<b>Current Consumption:</b> Standby: 16mA (± 5%)	10 Ohm in line resistor	<b>RFI Protection:</b> 30V/m 10 -2000MHz
	<b>Alert:</b> 30mA (w/Li-Battery)	<b>Tamper Switch:</b> N.C 28 Vdc 0.1A with	<b>EMI Protection:</b> 50,000V electrical
	<b>Charging</b> 700mA MAX	10 Ohm in line resistor	Interference from lightning
	<b>Detection Range:</b> 70' x 70', 180°	<b>Warm Up Period:</b> 35 sec (± 5 sec)	<b>White Light Immunity:</b> up to 10,000 LUX
<b>Back-Up</b>	<b>Power Source:</b> 7.4VDC / 1.0AHR Li-Poly	<b>Operating Temperature:</b> 14°F to 122°F	<b>Pet Immunity:</b> up to 65Lbs. (30Kg.)
<b>LED-Matrix</b>	<b>Brightness Level:</b> 200+ LUX	<b>Storage Temperature:</b> -22°F to 158°F	<b>LED Auto Disable:</b> 30 minutes; extendible window