ROBUS®

SAVE ENERGY WITH PIR DETECTORS

INTERNAL - OCCUPANCY One fitting Can be recessed or surface

INTERNAL - MOTION Surface & recessed versions



EXTERNAL Weatherproof



INTERNAL - WALL MOUNTED

- Reduce CO₂ Emissions
- Save Energy

LEDGROUP

- Easy to Install
- Save Money

QUALITY PRODUCTS BY LED GROUP



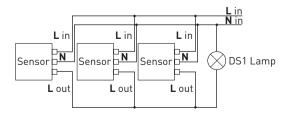
Reduce Energy Consumption and Costs

ROBUS high quality sensors are a cost effective solution for commercial and domestic end users in reducing energy consumption and carbon footprints. Savings start as soon as the sensors are installed. Sensor installations ensure that lighting only comes on when required, and most importantly that lighting is switched off when an area is vacated.

ROBUS sensors assist lighting installations to comply with Part L Building Regulations, with average pay back periods of less than 12 months.

All products carry 2-5 year guarantees.

Wiring Diagram for ROBUS PIR Detectors





Energy Savings

EXAMPLE LOCATION

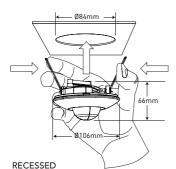
Office stairwell (example for one stairwell floor with 2 x 26W Recessed PL fittings)

	Without PIR	With ROBUS PIR
No. of fittings:	2	2
Power consumption (W):	52	52
Hours on per day:	10	3.8
Energy used per year (kWhrs):	260	98.8
Cost per fitting per year	£28.60	£10.87
CO ₂ per year	141	54
Savings:	£17.73	per year
	88	Kg CO2 per year

Calculation based on: Units being used 10 hours a day, 5 days per week, 50 weeks per year with Electricity costing £0.11 per kWhr. CO2 emission Kgs per kWhr = 0.54418

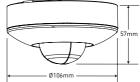
INTERNAL - OCCUPANCY





Universal Recessed / Surface, 360° PIR

- One fitting suitable for both surface and recessed applications
- Plug in terminal block and sensor module; fast fix
- Large terminals accept 2 x 1.5mm² conductors in each terminal; facility to loop in/loop out to parallel sensors or multiple fittings
 Adjustable time delay ensures that lighting is switched off
 Adjustable passive photocell; inhibits switching where
- natural light is sufficient High load contact rating; allows
- numerous fittings to be switched Injection moulded ABS
- body impact resistant Integral sensor dust-shield
 - to prevent false triggering



SURFACE

RU360-01

DETECTION AREA:	360° high sensitivity PIR sensor
MOTION DETECTION RANGE:	10m diameter at 2.8m
OCCUPANCY DETECTION RANGE:	6m diameter at 2.8m
LOADING:	Max 1000W fluorescent Max 2000W incandescent
TIME SETTINGS:	10 seconds to 35 minutes adjustable
LUX SETTINGS:	2-2000lx
DIAMETER:	106mm
DEPTH:	Surface: 57mm Recessed: 66mm
CUT OUT:	84mm
WEIGHT:	0.24kg



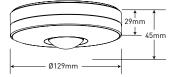


INTERNAL - MOTION

Motion Detector, 360° PIR, Surface

- Rear and side entry knockouts, integral cable clamp and large mains terminals for 2 x 1.5mm² conductors. Easy to wire from surface cables and enables loop-in/loop-out for supply to other sensors.
- Elongated fixing slots; simple to position and fix to surface
- Passive infra red; ensures light is switched on when sensor detects movement of heat, therefore lighting is switched off when the area is vacated. There is less likelihood of false triggers compared to microwave which switches on any movement
- Injection moulded ABS body - impact resistant
- Integral sensor dust-shield to prevent false triggering





R360N-01

DETECTION AREA:	360°
MOTION DETECTION RANGE:	10m diameter at 2.8m
LOADING:	Max 300W fluorescent Max 1000W incandescent
TIME SETTINGS:	10 seconds to 16 minutes adjustable
LUX SETTINGS:	2-2000lx
DIAMETER:	129mm
DEPTH:	29mm
PROJECTION:	45mm
WEIGHT:	0.24kg



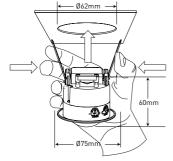


INTERNAL - MOTION



Motion Detector, 360° PIR, Recessed

- Injection moulded ABS body; impact resistant
- Clear terminal cover, integral clamp and large mains terminals for 2 x 1.5mm² conductors
- Terminations are safe and visible and enables loop-in/loop out for supply to other sensors.
- Passive infra red; ensures light is switched on when sensor detects movement of heat, therefore lighting is switched off when the area is vacated
- Less likelihood of false triggers compared to microwave which switches on any movement.



RR360-01

DETECTION AREA:	360°
MOTION DETECTION RANGE:	10m diameter at 2.8m
LOADING:	Max 500W fluorescent Max 1000W incandescent
TIME SETTINGS:	10 seconds to 16 minutes adjustable
LUX SETTINGS:	2-2000lx
DIAMETER:	75mm
DEPTH:	60mm
CUT OUT:	62mm
WEIGHT:	0.14kg



EXTERNAL SENSORS

Motion Detector 180° PIR

- Weatherproof housing
- Injection moulded ABS
- 180° detection
- Minimum load 25W
- The R180 has a manual override facility, with automatic reset after 8hrs



L180-04



WHITE BLACK	R180-01 R180-04	L180-01 L180-04
DETECTION AREA:	180°	180°
MOTION DETECTION RANGE:	12m at 2.5m	12m at 2.5m
LOADING:	Max 300W fluorescent Max 1200W incandescent	Max 200W fluorescent Max 1200W incandescent
TIME SETTINGS:	10 seconds to 10 minutes adjustable	10 seconds to 4 minutes adjustable
LUX SETTINGS:	2-2000lx	2-2000lx
DEPTH:	130mm	95mm
WIDTH:	75mm	85mm
HEIGHT:	85mm	75mm
WEIGHT:	0.36kg	0.26kg

INTERNAL WALL MOUNTED



Wall Mounted PIR available in 2 or 3 wire versions

- Direct replacement for standard single gang wall switch
- Choice of 2 or 3 wire versions:
 - 2 wire version ideal for "no neutral" switches
 - 3 wire version for switches that have a neutral
- Terminals suitable for up to 1.5mm² cable
- Fast and simple installation
- No additional wiring as required with retro-fit ceiling mounted PIR's
- Adjustable time delay and photocell
- Ideal for saving energy where lighting is often left on e.g. offices, stairways, store rooms etc.

R120PIR2W-01 R120PIR3W-01	2 Wire 3 Wire
DETECTION AREA:	120°
MOTION DETECTION RANGE:	10m at 1.5m
LOADING:	Max 500W fluorescent Max 2000W incandescent
TIME SETTINGS:	10 seconds to 15 minutes adjustable
LUX SETTINGS:	2-2000lx
DEPTH:	35mm
LENGTH:	85mm
WIDTH:	85mm
WEIGHT:	0.1kg



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