# LITEMINDER

**Liteminder is an automatic light switching system offering immense savings in lighting bills. Liteminder does what we should all do. It switches lights off automatically when the detection zone is unoccupied, or when there is sufficient ambient light.**

## Benefits

Reduces electricity usage
Automatic light switching
Impressive savings achievable (40%+)
Rapid payback
Reduces lamp usage
Fully automatic control
Reduces load on air conditioning
Modular system for large zones
Dual Relay (Modular System)
Improves security
Can help reduce maximum demand charges.

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SETSQUARE

# LITEMINDER

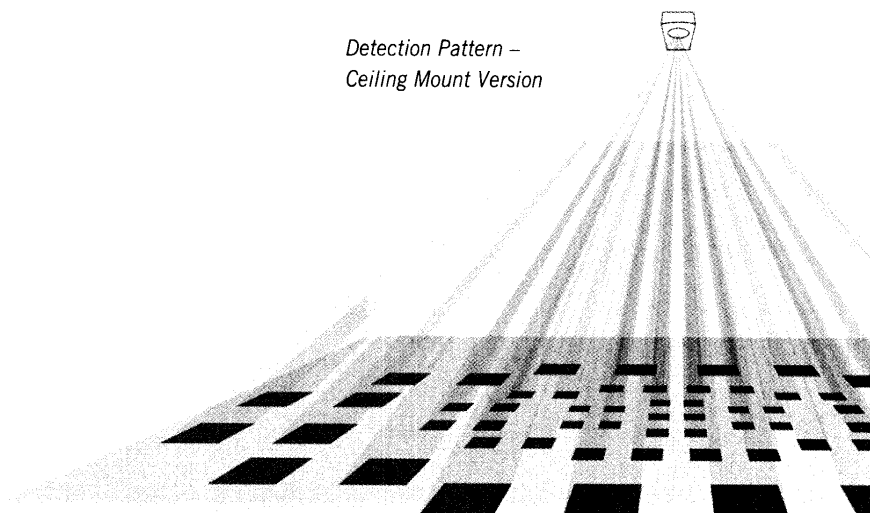*The intelligent interior lighting control*

| | | | |
|---|---|---|---|
| Lights off | Lights off | Lights off | **Lights on** |

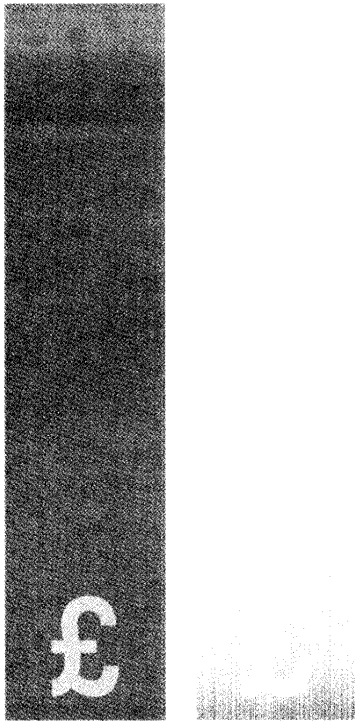Range up to 12m
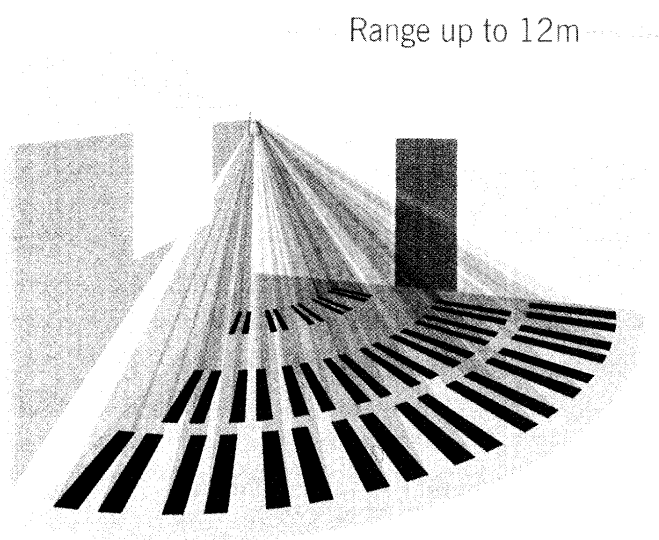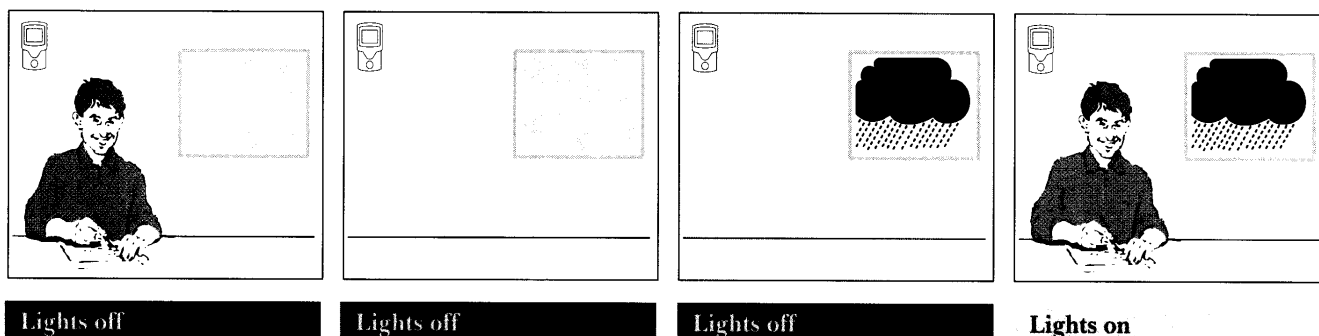
*Detection Pattern –*
*Wall mount Version*

**D**espite ever increasing electricity tariffs and environmental responsibilities, few of us are diligent enough to switch off lighting when not required. The Liteminder switches lighting off - automatically. All you will notice is the reduction in your energy bills.

**How it works**

Utilising highly sensitive passive infra red detection, the Liteminder constantly monitors the detection zone for occupancy - during zero occupancy the Liteminder will automatically switch lighting off - only allowing the lights to come on if the detection zone is occupied and there is insufficient daylight.
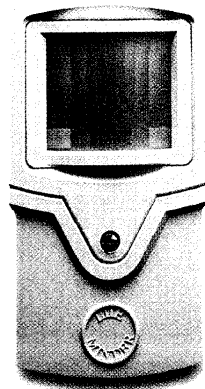
*Detection Pattern –*
*Ceiling Mount Version*

## SETSQUARE

The standard Liteminder is a fully featured self contained unit comprising infra-red detector, photocell, and integral switching relay. The front access cover can be slid upwards to enable adjustment of time delay and photocell. (See technical data - over).

*Wiring diagram showing over-ride options*

NEUTRAL
LIVE
SWITCHED LIVE
LIGHT SWITCH
KEY-OPERATED OVER-RIDE SWITCH
LIGHTING LOAD

Without control, lights are often switched on when the first person arrives and, when they remember, switched off as the last person leaves. The wastage from having lights on when an area is adequately lit by daylight or is unoccupied can be huge. Savings in excess of 40% (often much greater) are made by ensuring lighting is only on when required.
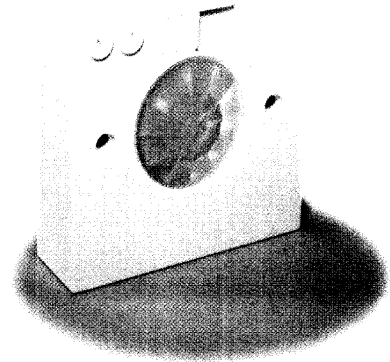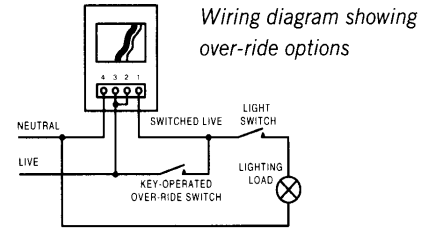
### Wall Mounted version

For optimum detection this unit is mounted 2.2m high in the corner of the detection zone. Being fully self contained, it is ideal for modular offices, storerooms, washrooms etc. Optional brackets enable further fine tuning of the detection zone. The specially designed lens bezel provides 110° coverage to ensure optimum detection.

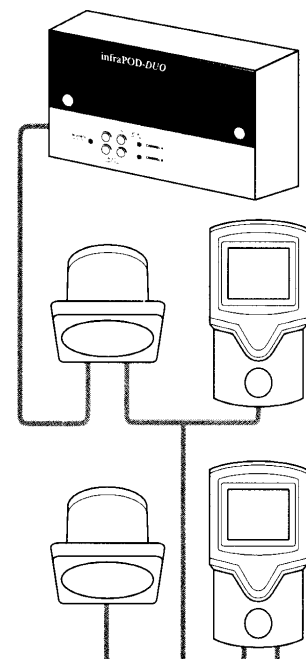### Ceiling Mounted Liteminder Solo

Providing a full 360° detection pattern, the ceiling mounted Liteminder Solo can be placed directly above the main activity zone. The outer zone sees large movement across and into the zone, whilst the concentrated inner zone detection ensures lights are held on by small movements. Ideal for open plan offices or any area where the majority of movement is in one specific zone.

The modular system comprises a dedicated power supply unit, integral transformer and switching relay as used in the InfraPod II range. The supply can power one master detector with photocell and up to 10 slave detectors, all low voltage. Detection patterns are as per the Standard Liteminder. Ideal for areas where multiple detection is required, e.g. long corridors, irregular shaped offices, rooms with lobbies etc.
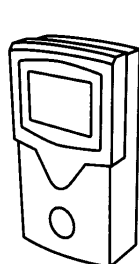
### Dual Relay Option

The Modular Liteminder system can have single or dual relay, each with independently set on and off light levels.
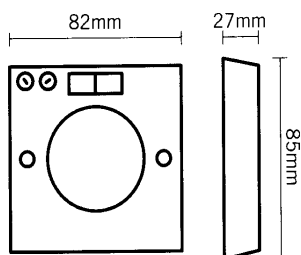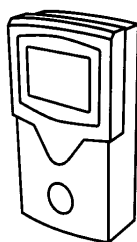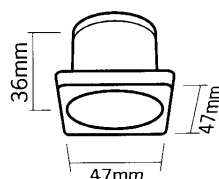
# Components & Order Codes

**Wall Mount**

R240W

82mm   27mm

85mm

**Ceiling Mount**

Solo 1

**Wall Mount**

Detector
with photocell
MLMW

36mm   47mm   47mm

**Ceiling Mount**

Detector
PDOCH

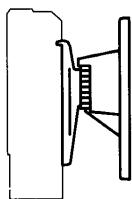infraPOD-DUO

**Power & Switching Unit**
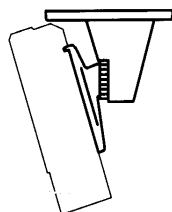
**Single Relay**

PODCU1

**Dual Relay**

PODCU2

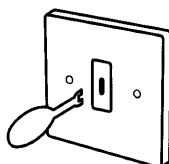**Swivel mount Bracket**

SMBW
For wall & ceiling
detectors

**Roof Adaptor Bracket**

SMB/C
For wall type detector
only

**Single gang key switch**

SGK
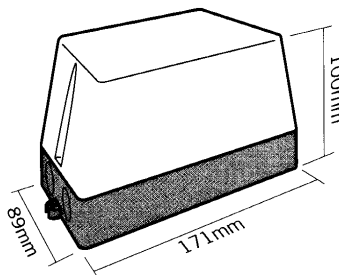
**Contactor in enclosure (16A)**

CE/16

100mm   89mm   171mm
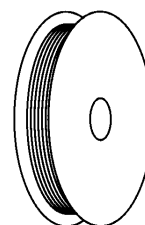
**Drum of two core screened
cable: 100metres**

DSC100

## Specification

| | | |
|---|---|---|
| Motion Sensor | : | Passive infra-red detector |
| Supply Voltage | : | 240v 50Hz + BEMS variations |
| Modular Power Supply | : | 240v 50Hz + BEMS variations |
| Modular Detector | : | 12 Volt DC |
| Switching Capacity- Standard | : | 8 amps inductive or resistive |
| - Modular | : | 8 amps inductive or resistive |
| Light Sensor | : | Adjustable 50 - 1500 lux |
| Timer | : | Adjustable 4 - 32 minutes |

| | | Wall Unit | Ceiling Unit |
|---|---|---|---|
| Field of view | : | 110° | 360° |
| Area Coverage | : | 1560sq ft | Depends on ceiling height |
| Detection range | : | 12mtr | 3.5mtr radius (2.75mtr ceiling) |
| Colour    - detector | : | White | |
| - modular control | : | White | |

*All dimensions shown are overall and
approximate.*

*Liteminder is one of a range of controls, please
contact Setsquare for details.*

*A range of Setsquare lighting
controls has been evaluated by
The Buying Agency, an
Executive Agency of the
Department of the Environment,
and has been approved for
supply to the public sector.*

TBA

SEG 82/3
Contract No:
A211727/A

*All Setsquare products are
designed, manufactured,
supplied and installed to
BS EN ISO 9001; 1994.*

# SETSQUARE

*Due to a policy of continual development, Setsquare Ltd reserve the right to alter specifications without prior notice.*