Energy Saving and Commercial Lighting Controls

- ▶ Fully Automatic Lighting Controls
- ▶ Occupancy Sensors
- ▶ Daylight Sensors
- ▶ Passive Infrared Technology
- ▶ Microwave Technology
- ▶ Marshalling Boxes
- ▶ Pluggable Lighting Control Modules
- ▶ Hard Wired Lighting Control Modules
- ▶ Networked Lighting Controls
- ▶ DALI, DSI and 1-10V
- ▶ Washroom Controls

set square

energy saving controls

a division of

MODE LIGHTING

BRITISH MADE

LITEMINDER: self-contained stand-alone occupancy controls

SET-IRL3 and SET-IRL4

These self-contained sensors are suitable for store rooms, self-contained offices, washrooms, lobbies etc. without windows or natural daylight and are the same as the SET-SOLO-1 and SET-SOLOXS but with no photocell.

▶ High sensitivity 360 degree passive infrared sensors
▶ Surface or recessed mounting versions
▶ Fully automatic presence detection or semi-automatic absence detection versions
▶ 8 amp inductive load or 8 high frequency ballast switching
▶ Adjustable time delay on SET-IRL4

SET-SOLO-1 and SET-SOLOXS

The Solo sensors are highly sensitive self-contained presence detectors with integral photocell and switching relay. Both are designed for ceiling mounting, the "XS" for recess mounting and "1" for surface mounting.
These easy to install sensors incorporate a 360 degree and 7 metre detection pattern. (2.75m ceiling height).

▶ High sensitivity 360 degree passive infrared sensor
▶ 8 amp inductive load or 8 high frequency ballast switching
▶ Fully automatic presence detection or semi-automatic absence detection versions
▶ Standard single gang mounting for SET-SOLO-1
▶ Suitable for store rooms, self-contained offices, washrooms etc.
▶ Integral photocell
▶ Adjustable time delay

SET-R240W and SET-SCM20

SET-R240W: Highly sensitive self-contained infrared detector with a sensor range of up to 12 metres.
SET-SCM20: Highly sensitive self-contained microwave detector with a sensor range of up to 20 metres.

▶ An infrared remote capability ensures ease of commissioning for the SET-SCM20
▶ 8 amp inductive load or 8 high frequency ballast switching
▶ Integral photocell
▶ LED indicators
▶ Standard volt free relay
▶ Adjustable time delay
▶ Easy to install – Easy to set up and adjust
▶ Ideal for classrooms, storerooms, washrooms etc.

INFRAPOD: modular lighting controls with linkable sensors

SET-PODCU1 and SET-PODCU2

The InfraPOD is a passive infrared occupancy detection system which is ideal for open plan offices, stairs, corridors and washroom areas. Up to 10 low cost unobtrusive detector heads can be driven by one controller and switching unit. Low profile detector heads give a 7 metre detector range (2.75m ceiling height) with an optional wall mounted 12 metre detector.

▶ High sensitivity 360 degree passive infrared sensors
▶ Occupancy and light level switching
▶ Single and dual relay lighting controllers
▶ Corridor linkable
▶ Standard volt free relays
▶ 8 amp inductive load or 8 high frequency ballast switching (per relay)
▶ Fully automatic presence or semi-automatic absence detection
▶ Adjustable time delay

SENSALUX: modular and stand-alone photocells

SET-SX1 and SET-SX2

Ideal for areas where natural light levels are good such as shop fascia, factories and offices.
The Sensalux range provides both modular and stand alone photocells. The modular system provides the same features as the LLS sensors, however, the photocell is a separate unit designed for remote mounting. Interior and weatherproof versions are also available. The dual relay version enables two circuits to be independently controlled, switching on and off at different levels.

- ▶ 8 amp inductive load or 8 high frequency ballast switching (per relay)
- ▶ Single and dual relay lighting controllers
- ▶ Volt free relay(s) – Independent ON and OFF levels
- ▶ Internal and external IP rated photocells
- ▶ Adjustable "cloud" time settings
- ▶ Volt free relay(s)
- ▶ Independent ON/OFF lighting levels

SET-LLS1 and SET-LLS2

The SET-LLS1 and SET-LLS2 are self-contained photocell detection and switching units. They respond to the ambient light level and automatically switch on the controlled load below a user defined light level. As the ambient light level rises, the unit will automatically switch the lighting off. Each sensor has an integral, rather than remote, photocell, so is suitable for localised control.

- ▶ Recessed or surface mounting
- ▶ 8 amp inductive load or 8 high frequency ballast switching
- ▶ Self contained
- ▶ Fixed "cloud timer"
- ▶ Independent light level setting (SET-LLS1)

SETLITE: modular long range microwave detector system

SET-SLCU, SET-SLM and SET-SLV

Ideal for areas where natural light levels are good such as shop fascia, factories and offices. The Sensalux range provides both modular and stand alone photocells. The modular system provides the same features as the LLS sensors, however, the photocell is a separate unit designed for remote mounting. Interior and weatherproof versions are also available. The dual relay version enables two circuits to be independently controlled, switching on and off at different levels.

- ▶ 8 amp inductive load or 8 high frequency ballast switching (per relay)
- ▶ Single and dual relay lighting controllers
- ▶ Volt free relay(s) – Independent ON and OFF levels
- ▶ Internal and external IP rated photocell options
- ▶ Linkable controllers for large spaces

AQUAMINDER: washroom controls

SET-AQXcell and SET-AQSF2 or SET-AQFF

The Aquaminder flush controls automatically reduce water consumption by ensuring cisterns only flush as required. Large yearly water and financial savings can be achieved by controlling the flush cycle. There are 3 models to choose from, Battery or mains operation, occupancy or timed activation combined with slow or fast fill.

- ▶ Slow or Fast Fill
- ▶ 5 year battery powered or mains powered systems

Energy Saving and Commercial Lighting Controls

DLCS: Daylux Lighting Control System - simply intelligent

A flexible modular and stand-alone range of dimming controls using presence and absence detection to achieve maximum cost, energy and CO2 savings.

The Daylux Lighting Control System (DLCS) is intelligent, efficient, cost effective and installer friendly, from a stand-alone single room solution to a fully networking lighting control and management system, the DLCS provides flexibility to meet the changing needs of the building's occupants, including additions and changes in use.

▶ Stand-alone or fully networkable, addressable and scalable
▶ Single and multiple channel outputs
▶ 10-way pluggable LCM's
▶ Hard wired LCM's
▶ Network Area Controllers
▶ Presence and Absence detection modes
▶ Daylight linking dimming
▶ Scene set dimming
▶ DALI, DSI,1-10V and switched ballast control
▶ Time scheduling
▶ Fully scalable lighting management
▶ Unique "self configuration and out of the box" functionality
▶ Programming and commissioning via hand held programmer and GUI (graphical user interface)

Setsquare

Setsquare's range of energy saving and commercial lighting control products and services includes:

LITEminder   infrapod   SensaLUX   SETlite   Aqua minder   daylux DLCS

set square

energy saving controls

a division of

MODE LIGHTING