

**New**

# Ex-Or product introductions for 2009

**Programmable LCM**



**Digital Dimming Photocell**



**Mid Range Regulating Microwave Presence Detector with Photocell**



**PC Occupancy Display**



**Hi-Bay PIR Presence Detector**



**Multi-Function Dual-Control PIR Presence Detector**



# LightSpot Presence Detection

## Bronze PIR Movement Detector

- 'Out of the box' movement detector
- Ideal solution for simple retro-fit
- No set-up needed
- Cost effective for rapid payback
- 360° movement detection
- 6m diameter detection at 2.5m height
- Factory pre-programmed with 20 min time delay



## Digital Dimming Photocell

- High performance regulating photocell
- Precision dimming over a 1,023 step range
- 0 - 5000 Lux sensitivity
- Passing cloud timer feature
- DSI or DALI digital dimming control
- Controls up to 25 ballasts



## Hi-Bay PIR Presence Detector

- For mounting heights up to 12m
- 360° presence detection with regulating photocell
- 1:1 aspect ratio of detection diameter to mounting height
- Infrared programmable from ground level
- Full suite of programmable features
- Controls up to 25 DSI or DALI ballasts
- Flush and surface mounting options



## Mid Range Regulating Microwave Presence Detector with Photocell

- 20mx20m detection coverage
- DSI or DALI dimming control
- Controls up to 25 ballasts
- 10amp rated switching
- Infrared programmable
- Local control via hard wired 'OneSwitch' or infrared controller
- Surface, semi-flush or wall mounting

## Multi-Function Dual-Control PIR Presence Detector

### Four programmable functions in one unit:

- 1 Lighting control and emergency test
- 2 Lighting control and air-con control
- 3 Lighting control and water/fan control
- 4 Two-channel lighting control



# MLS and MLS Connect Digital

- Direct connection and control of up to 12 luminaires
- Six independently switched or dimmed channels
- Digital DSI/DALI dimming options
- Channels can be programmably bound in any combination to make larger groups
- Five SELV PIR and/or Microwave presence detector inputs and five SELV switch inputs
- Wirelessly enabled option for 2 x 2-way batteryless wireless switches with programmable functions
- Mechanically locked plug-and-socket arrangement
- Infrared programmable directly to box or via any connected detector
- For emergency lighting, 3-wire mains as standard, removable link for 4-wire installations

## Programmable LCM



## MLS Scene Switch Panel

- Full MLS compatibility
- On/off, raise/lower and 6 scene recall
- Choice of 4 cover plate finishes from the MK Aspect range:
  - ~ Brushed Stainless Steel
  - ~ Polished Chrome
  - ~ Polished Brass
  - ~ White
- Infrared programmable
- 25 DSI/DALI ballast output



## PC Occupancy Display



- Real-time zone occupancy display
- High quality pan, tilt and zoom real CAD layout
- Basic occupancy run-time reporting
- 3 layer rights access and password protection
- Client-side access via Internet Explorer
- No client licence fees

## Digital Mid Range Microwave Presence Detector with Photocell

- Full MLS compatibility
- Wireless 'OneSwitch' option
- 20mx20m detection coverage
- DSI or DALI dimming control
- Controls up to 25 ballasts
- 10amp rated switching
- Infrared programmable
- Surface, semi-flush or wall mounting



# Part Numbers

## LightSpot

| Bronze LightSpot Movement Detector            |  |                  |
|---|--|------------------|
| MS1000F                                       | Bronze LightSpot   | – slimline flush |
| MS1001F                                       | Bronze LightSpot   | – flush          |
| MS1001SM                                      | Bronze LightSpot   | – surface        |
| Hi-Bay LightSpot                              |  |                  |
| MS2001DHBFB                                   | for DSI ballasts   | – flush          |
| MS2001DHBFSM                                  | for DSI ballasts   | – surface        |
| MS2001DALIHBFB                                | for DALI ballasts  | – flush          |
| MS2001DALIHBFSM                               | for DALI ballasts  | – surface        |
| Multi-function Dual-control LightSpot         |  |                  |
| MS2021PF                                      | Multi-function LightSpot                                     | – flush          |
| MS2021PSM                                     | Multi-function LightSpot                                     | – surface        |
| HC7   | Hand-held Controller for lighting and air conditioning       |                  |
| HC8   | Hand-held Controller for emergency test and lighting control |                  |
| Mid Range Regulating LightSpot with photocell |  |                  |
| MR2500D                                       | for DSI ballasts   | – surface        |
| MR2500DF                                      | for DSI ballasts   | – semi-flush     |
| MR2500DALI                                    | for DALI ballasts  | – surface        |
| MR2500DALIF                                   | for DALI ballasts  | – semi-flush     |
| WMK   | Wall-mounting Kit (for surface versions)                     |                  |
| Digital Dimming Photocell                     |  |                  |
| MP2000DF                                      | Digital Photocell  | – slimline flush |

## MLS Connect Digital

| Programmable LCM |   |              |
|------------------|---|--------------|
| CDW12U5-C        | Programmable LCM                              |              |
| MLS2001CDR       | 360° PIR Detector with photocell              | – flush      |
| MLS2401CDR       | 360° Microwave Detector with photocell        | – flush      |
| MLS2500CDR       | Directional Microwave Detector with photocell | – semi-flush |

## MLS Digital

| Scene Switch Panel                             |  |              |
|--|--|--------------|
| MLS2000SSP                                     | Scene Switch Panel (requires Cover Plate)            |              |
| MSSPBSS  | Cover Plate - brushed stainless steel                |              |
| MSSPWHI  | Cover Plate - white                                  |              |
| MSSPPBR  | Cover Plate - polished brass                         |              |
| MSSPPOC  | Cover Plate - polished chrome                        |              |
| PC Occupancy Display                           |  |              |
| MLSUCA   | RB2000 to RS485 interface (hardware)                 |              |
| MLSPC  | PC running Windows XP                                |              |
| MLSPCWLIC                                      | Software Licence                                     |              |
| MLSPCUSB485                                    | USB to RS485 dongle                                  |              |
| MLSPCFE1                                       | Full kit of parts for MLS-PC Front End               |              |
| MLS Digital Mid Range LightSpot with photocell |  |              |
| MLS2500D                                       | for DSI ballasts                                     | – surface    |
| MLS2500DF                                      | for DSI ballasts                                     | – semi-flush |
| MLS2500DALI                                    | for DALI ballasts                                    | – surface    |
| MLS2500DALIF                                   | for DALI ballasts                                    | – semi-flush |
| MLS2500DWL                                     | for DSI ballasts with wireless OneSwitch capability  | – surface    |
| MLS2500DWLF                                    | for DSI ballasts with wireless OneSwitch capability  | – semi-flush |
| MLS2500DALIWL                                  | for DALI ballasts with wireless OneSwitch capability | – surface    |
| MLS2500DALIWLIF                                | for DALI ballasts with wireless OneSwitch capability | – semi-flush |
| WMK  | Wall-mounting Kit (for surface versions)             |              |

**Ex-Or** has a nationwide team of project engineers.

To be put in touch with your local contact, please ring **01942 719229**.



Reference No: A4012

### Ex-Or

Novar ED&S Limited  
 Haydock Lane, Haydock, Merseyside WA11 9UJ  
 T: +44 (0) 1942 719229  
 F: +44 (0) 1942 272767  
 E: technicalsales.ex-or@honeywell.com  
 orders.ex-or@honeywell.com  
 W: www.ex-or.com

