

## The Ex-Or MLS Digital - Managed Lighting System

# MLS2000SSP MK2 Scene Switch Panel

The Ex-Or MLS Digital provides a flexible and user-responsive building-wide managed lighting system via a network of communicating presence detectors.

This data sheet covers the MLS Digital Scene Switch Panel. This unit is used to provide groups of luminaires with scene setting and recall, zone control and communication functions. It is useful for areas such as conference rooms or lecture theatres where the primary requirement is to set up and recall different lighting scenes (not necessarily in conjunction with presence detection) to suit a variety of various activities.

### Scene-setting

Users can set up six lighting scenes, recalling them with a single press of a button.

### Entry and Exit Scenes

The Entry Scene is selected when the ON button is used. Similarly, there is an option to select an Exit Scene. The current scene is indicated by a coloured LED.

### Group Dimming

Groups of luminaires may be brightened, dimmed and switched on/off by pressing the buttons on the panel or by remote control.

The MLS2000SSP is simple to programme using the HP2000 hand-held infrared programmer via the infrared port on the front face.



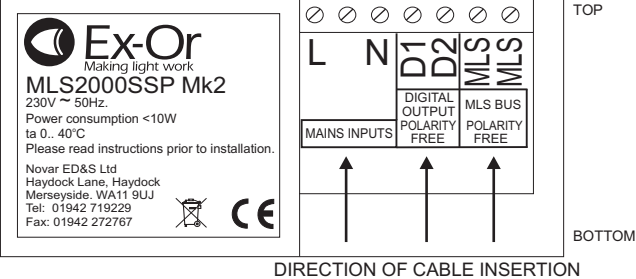
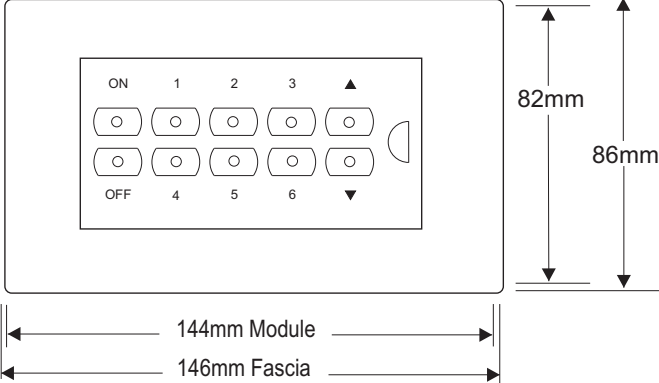


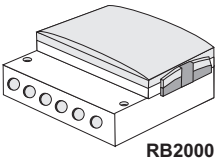
### Commissioning the Programmable Parameters

The operation of MLS Digital is determined by the way the system is commissioned. Commissioning and re-commissioning is carried out using a menu-driven infrared remote programmer (HP2000) with virtually no disturbance to the building's occupants. The programmable parameters are shown overleaf in the order they are presented on the programmer. Options are selected from a choice of two or from a list.

### Commissioning of Lighting Scenes

Lighting scenes are set up using the infrared HC5 hand-held controller (or HP2000 programmer). The scene is set up manually then stored by a long press on the selected scene button. New scenes can be set up in this way without the need for separate programming devices.

Please check [www.ex-or.com](http://www.ex-or.com) to ensure this is the most recent issue - Ref: D4091C

Electrical Connections		Technical Data	
<p>VIEW ON REAR OF MODULE ENCLOSURE</p>  <p>DIRECTION OF CABLE INSERTION</p>		<p>MLS CABLE: 1.5mm<sup>2</sup> unscreened twisted pair; 'MLS SensaLink' from UK Cables Tel 0161 653 6789</p> <p>DIMMING CABLE: 1mm<sup>2</sup> 2-core mains rated cable</p> <p>DIMMING OUTPUT: up to 25 ballasts (DSI or DALI - not mixed)</p> <p>POWER SUPPLY: 230V ~ 50Hz</p> <p>POWER CONSUMPTION: &lt; 10W</p> <p>TERMINAL CAPACITY: 1 x 2.5mm<sup>2</sup> cable ta 0 - 40°C</p> <p>DIMENSIONS: Module (inc supporting frame): 82mm x 144mm Fascia: 86mm x 146mm</p>	
Dimensions		Accessories	
 <p>Note: Use a standard 2-gang box. When using a dry liner box, MK part number QFB2WHI is recommended.</p>		<div>  <p><b>HP2000 MLS Digital Programmer</b></p> <p>Menu-driven LCD Programmer with automatic equipment recognition and parameter download facilities.</p> </div> <div>  <p><b>HC5 Universal Hand-held Controller</b></p> </div> <div> <p><b>RB2000 Bus Power Supply</b></p> <p>A single Bus Power Supply synchronises and powers the bus for up to 200 MLS Controllers. It also provides a test facility. Units may be linked for larger installations and to provide a building-wide common zone.</p> <p>(RB2000LT Bus Power Supply may also be used.)</p>  </div>	
Programmable Parameters	Selectable Options (Factory pre-set shown in bold)		
Bus Connect	Yes / No		
1st Zone	1-50 addresses - factory pre-set to -- (no zone)		
2nd Zone	1-50 addresses - factory pre-set to -- (no zone)		
3rd Zone	1-50 addresses - factory pre-set to -- (no zone)		
4th Zone	1-50 addresses - factory pre-set to -- (no zone)		
Common Zone 1	On / <b>Off</b>		
Common Zone 2	On / <b>Off</b>		
Common Zone 3	On / <b>Off</b>		

Part Numbers

MLS2000SSP MK2	MLS Digital Scene Select Panel
MSSPBSS	Brushed Stainless Steel Fascia Plate
MSSPWHI	White Fascia Plate
MSSPPBR	Polished Brass Fascia Plate
MSSPPOC	Polished Chrome Fascia Plate
RB2000	MLS Digital Bus Power Supply
RB2000LT	MLS Digital Bus Power Supply 'Lite'
HP2000	MLS Digital Programmer
HC5	Universal Hand-held Controller c/w wall bracket

Ex-Or operates a genuine policy of continuous improvement. You may expect the specification to be regularly enhanced. For latest technical information, please visit [www.ex-or.com](http://www.ex-or.com).