

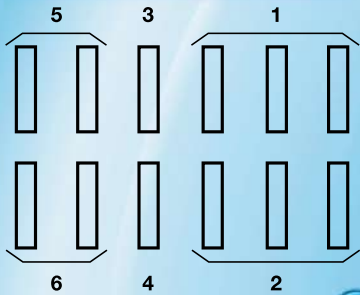
# NEW Connect Digital Box

## CDW12U5-C

Highly Flexible and Configurable  
Lighting Control Module



**Direct connection & control of up to 12 luminaires**



Six hardwired channels can be independently switched or dimmed or programmably bound together in any configuration, e.g. 3 + 3 + 3 + 3; or 4 + 4 + 2 + 2; or 3 + 3 + 3 + 2 + 1 etc.

**5 x SELV Detector Inputs**

*PIR and Microwave options for optimum energy saving. SELV connection via unlimited length RJ45 patch leads.*



**MLS2001CDR**  
360° PIR with photocell

**MLS2401CDR**  
360° Microwave with photocell

**MLS2500CDR**  
Directional Microwave with photocell

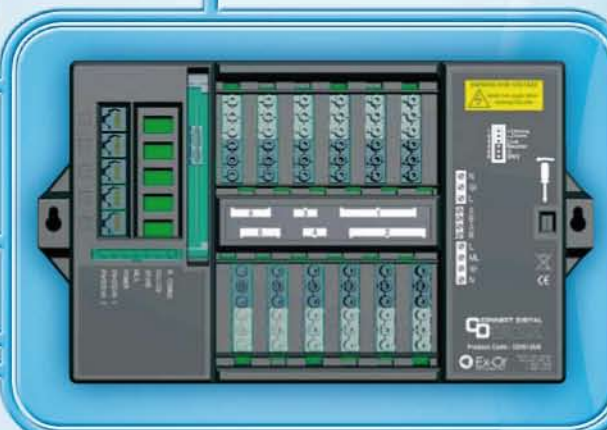
**Completely screwless assembly with multiple side, end and bottom cable-entry knockouts**



*Quick and easy installation.*

**Control**

*Digital DSI or DALI dimming options.*



**Mechanical locking plug-and-socket arrangement**



*For positive electrical connection.*

**Emergency Lighting**

3-wire mains input as standard. Removable link for 4-wire installations.

**Wireless programming directly or via any connected detector**

*Quick and easy configuration on site.*



*Within box via replaceable card.*

**Mains Voltage Protected Bus**

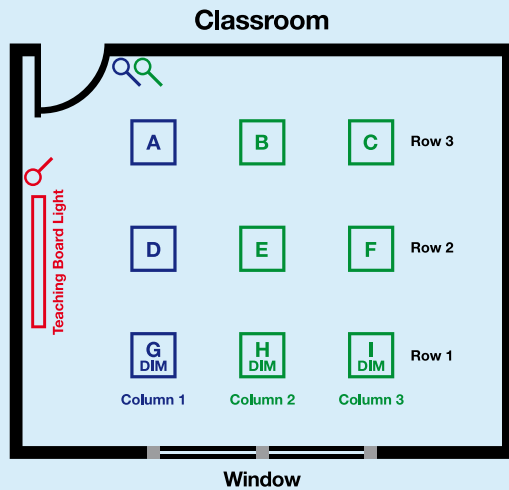
**5 x SELV Switch Inputs**

*With option for 2 x 2-Way Batteryless Wireless Switches.*



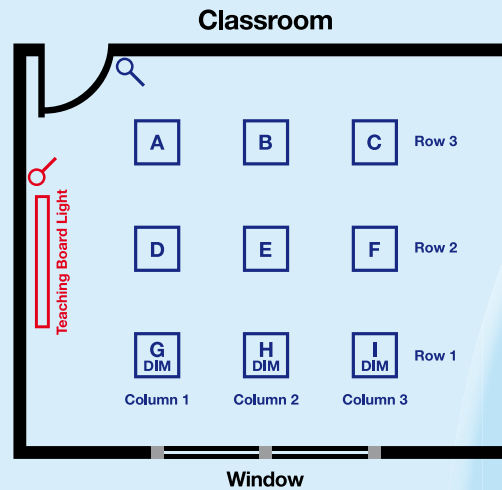
# NEW Connect Digital Box

## CDW12U5-C



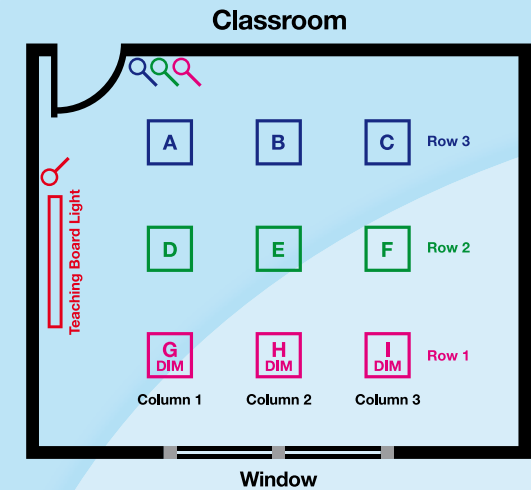
- Detection Mode** Absence
- Photocell Mode** Regulating, Window (Row 1) Only
- Manual**
- Switch Control** 3 Switches;
- i.* Column 1
  - ii.* Columns 2 & 3
  - iii.* Teaching board

- In absence detection mode lights are switched on manually.
- Window (Row 1) lights (G, H & I) will regulate in response to natural light.
- The manual switches can be used to turn on or off their associated lights independently.
- Lights will automatically turn off with absence (20 minutes time delay default).



- Detection Mode** Presence
- Photocell Mode** Regulating, Window (Row 1) Only
- Manual**
- Switch Control** 2 Switches;
- i.* All main classroom lights
  - ii.* Teaching board

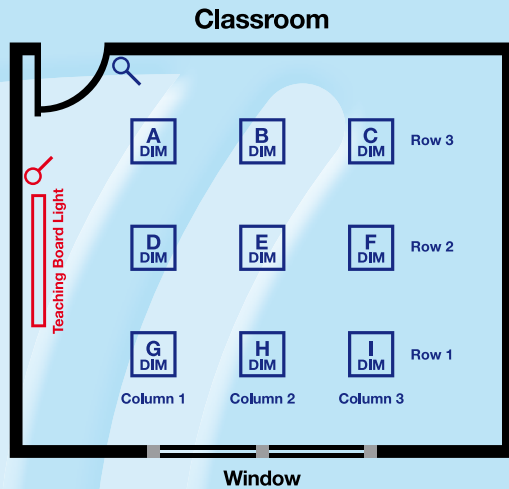
- In presence detection mode main lights automatically switch on.
- Window (Row 1) lights (G, H & I) will regulate in response to natural light.
- The manual switches can be used to turn on or off their associated lights independently.
- Lights will automatically turn off with absence (20 minutes time delay default).



- Detection Mode** Absence
- Photocell Mode** Regulating, Window (Row 1) Only
- Manual**
- Switch Control** 4 Switches;
- i.* Row 1
  - ii.* Row 2
  - iii.* Row 3
  - iv.* Teaching board

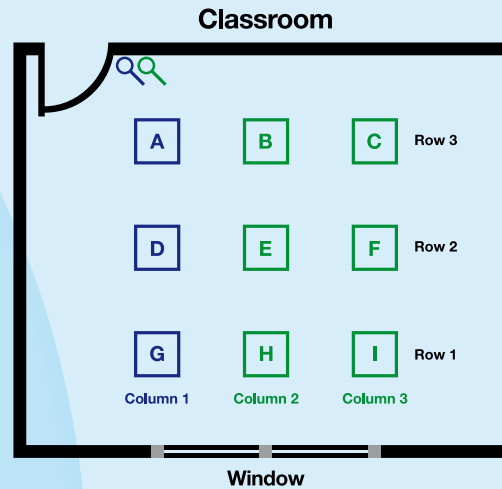
- In absence detection mode lights are switched on manually.
- Window (Row 1) lights (G, H & I) will regulate in response to natural light.
- The manual switches can be used to turn on or off their associated lights independently.
- Lights will automatically turn off with absence (20 minutes time delay default).

# Typical Examples for Classroom Applications



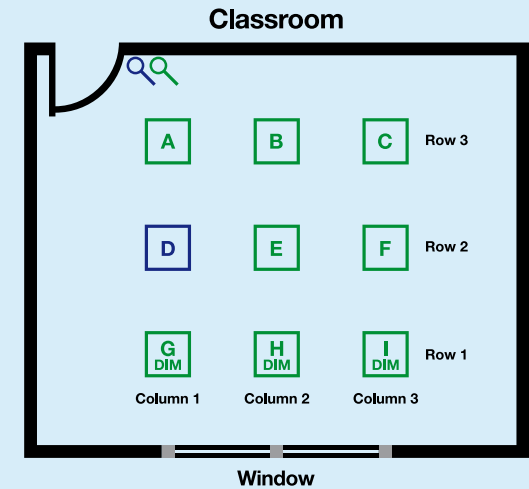
- Detection Mode** Presence
- Photocell Mode** Regulating, All Luminaires
- Manual**
- Switch Control** 2 Switches;
- i. All main classroom lights
  - ii. Teaching board

- In presence detection mode main lights automatically switch on.
- All lights will regulate in response to natural light.
- The manual switches can be used to turn on or off their associated lights independently.
- Lights will automatically turn off with absence (20 minutes time delay default).



- Detection Mode** Absence
- Photocell Mode** Active Switching, Window (Row 1) Only
- Manual**
- Switch Control** 2 Switches;
- i. Column 1
  - ii. Columns 2 & 3

- In absence detection mode lights are switched on manually.
- Window (Row 1) lights (G, H & I) will switch on and off in response to natural light. An in-built passing cloud timer prevents nuisance switching.
- The manual switches can be used to turn on or off their associated lights independently.
- Lights will automatically turn off with absence (20 minutes time delay default).



- Detection Mode** Absence
- Photocell Mode** Regulating, Window (Row 1) Only
- Manual**
- Switch Control** 2 Switches;
- i. All luminaires
  - ii. Luminaire D

- In absence detection mode lights are switched on manually.
- Window (Row 1) lights (G, H & I) will regulate in response to natural light.
- The manual switches can be used to turn on or off their associated lights independently.
- Lights will automatically turn off with absence (20 minutes time delay default).

**Ex-Or** has a nationwide team of project engineers.  
To be put in touch with your local contact, please ring **01942 719229**.

## Part Numbers

Programmable LCM – 12 luminaire and 5 detector outputs	CDW12U5-C	
Programmable LCM – 12 luminaire, 5 detector and 2 x 2-way wireless switch outputs	CDW12U5-CWL	
Corner-mount microwave presence detector with photocell	MLS2500CDR	
360 degree microwave presence detector with photocell	MLS2401CDR	
360 degree PIR presence detector with photocell	MLS2001CDR	
Plug-in digital dimming card	CDWDC	
Replacement MLS BUS card	CDWBC	
Wireless batteryless switch, white	K23476 WHI W (1-gang)	K23477 WHI W (2-gang)
Wireless batteryless switch, brushed stainless steel	K23476 BSS W (1-gang)	K23477 BSS W (2-gang)
GST-6 plug with Ex-Or locking mechanism	CPWL6 (complete)	CPWL6S (shell only)
Detector Patch Lead	BT5E020GY (2m length)	BT5E030GY (3m length)
	BT5E050GY (5m length)	BT5E100GY (10m length)
<b>Luminaire Leads with Ex-Or locking mechanism</b>	<b>3m Length</b>	<b>5m Length</b>
6-pole, 3-core GST 18/6 plug	CPWL633	CPWL635
6-pole, 5-core GST 18/6 plug	CPWL653	CPWL655
Emergency: 6-pole/4-core	CPWL643	CPWL645
Emergency: 6-pole/6-core	CPWL663	CPWL665
Extension: 6-pole, 6-core male/female GST 18/6	CPWL663MF	

## Technical Data

<b>Operational supply</b>	230v ~ 50Hz
<b>Maximum total load</b>	16A
<b>Maximum load per channel*</b>	6A (do not exceed 16A per box)
Maximum of eight digital dimming ballasts per channel *	
Maximum of 20 ballasts may be connected to each CD Box	
<b>Maintained live maximum output</b>	2A total per box
<b>Supply terminal capacity</b>	2 x 2.5mm <sup>2</sup> or 1 x 4.0mm <sup>2</sup>
<b>Override switch input connector</b>	2.5mm <sup>2</sup>
<b>MLS bus connector</b>	2.5mm <sup>2</sup>
<b>Case material</b>	V0 Polycarbonate
<b>Finish</b>	Light texture gun metal grey

**Note** \* Channels are arranged as:  
2 x 3 luminaire sockets  
2 x 2 luminaire sockets  
2 x 1 luminaire socket

## Dimensions

<b>Height</b>	50mm (108mm including plug and lead)
<b>Width</b>	315mm (361mm including mounting feet)
<b>Depth</b>	205mm
<b>Weight</b>	1.85kg
<b>Fixing Centres</b>	340mm



**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

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