

CONNECT ULTRALITE LIGHTING CONTROL MODULES

Connect UltraLite provides an efficient and cost-effective way to interconnect presence detectors and luminaires using industry standard connectors.

UltraLite has been designed as a universal wiring solution. While it is compatible with an MLS Digital Managed Lighting System installation, the LCM is not itself an MLS device and does not therefore give access to the full range of features offered by the MLS system.

UltraLite can be used for the following applications:

PRESENCE DETECTION

With the ten-socket version, one sensor can control up to 10 luminaire outputs, or two detectors up to 5 luminaire outputs each. The six-socket and four-socket UltraLite LCMs allow one sensor to control up to 6 or 4 luminaire outputs respectively.

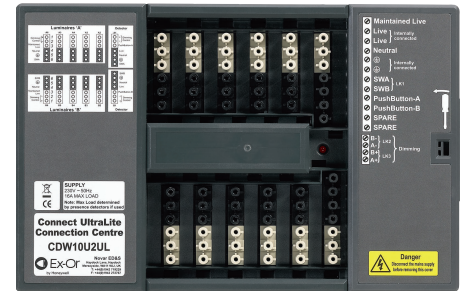
Detector options:

- LightSpot HD - any sensor from the extensive LightSpot HD range can be connected to an UltraLite LCM using the appropriate plugged lead
- The leads are terminated at one end with a 7-way Wieland GST locking connector, the other end has the relevant LightSpot HD pluggable, colour-coded connections. All the cables are LSOH and are available in varying lengths for switching and dimming, and the QuickLink bus
- The 7-way connectors and incorporating the facility for OneSwitch operation
- Separate 7-way connector for the connection of other detectors to the UltraLite. (See overleaf for part numbers)

LOCAL SWITCHING ONLY

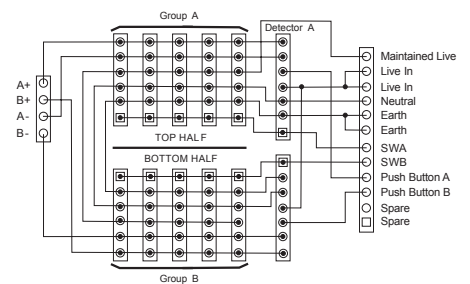
Luminaires may be switched via conventional on/off switches. The number of switches that can be employed varies with the different models.

Emergency lights may be tested by interrupting the maintained live supply using a suitable key-switch.

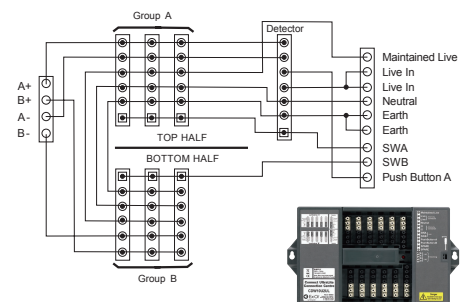


Simple wiring schematics showing internal connections are shown below:

10-WAY : CDW10U2UL



6-WAY : CDW6U1UL



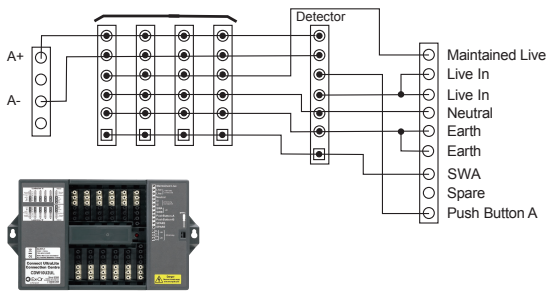
If the detector socket is not occupied by a presence detector, the socket may be used for a luminaire. The plug, however, will need to be 7-pole and wired appropriately.

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Connect UltraLite Lighting Control Modules Technical Data Sheet

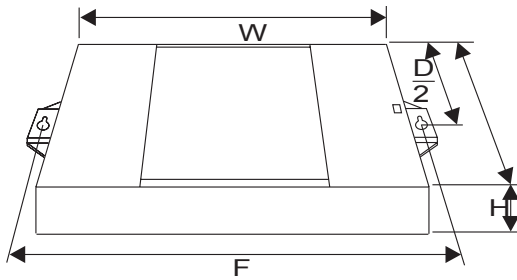
4-WAY : CDW4U1UL



If the detector socket is not occupied by a presence detector, that socket may be used for a luminaire. The plug, however, will need to be 7-pole and wired appropriately.

MECHANICAL

Dimensions: **Height = 50mm (108mm including plug and lead), Width = 315mm (361mm including mounting feet), Depth = 205mm**



Fixing Centres: = **340mm**

Supply terminal capacity: **6.0mm² (2 x 2.5mm)**

Dimming terminal capacity: **4.0mm²**

Case material: **Polycarbonate**

Case finish: **Lightly textured dark grey**

Weight: **1.85kg**

ELECTRICAL

Operating voltage: **230V 50Hz (UK & Europe)**

Product rating/recommended circuit protection: **16 Amps**

Maximum load per outlet: **6 Amps***

Maximum total load: **16 Amps***

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D4126 I K I 19/Feb/2024-EN
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ORDER CODES

CDW10U2UL	Connect UltraLite Connection Centre - 10 x 6-pole luminaire sockets and 2 x 7-pole presence detector input ports
CDW6U1UL	Connect UltraLite Connection Centre - 6 x 6-pole luminaire sockets and 1 x 7-pole presence detector input port
CDW4U1UL	Connect UltraLite Connection Centre - 4 x 6-pole luminaire sockets and 1 x 7-pole presence detector input port

LUMINAIRE LEADS

CPWL633	Connect 3m Luminaire Connector - 6-pin/3-core, Wieland GST 18/6 c/w Honeywell locking mechanism
CPWL653	Connect 3m Luminaire Connector - 6-pin/5-core, Wieland GST 18/6 c/w Honeywell locking mechanism

EMERGENCY LUMINAIRE LEADS

CPWL643	Connect 3m Luminaire Connector - 6-pin/4-core, Wieland GST 18/6 c/w Honeywell Lighting locking mechanism
CPWL663	Connect 3m Luminaire Connector - 6-pin/6-core, Wieland GST 18/6 c/w Honeywell Lighting locking mechanism

PLUGS WITH LATCHING SHELL

CPWL6	For luminaire: GST18/6 6-pole male plug with Honeywell locking mechanism (complete)
CPWL7	For detector: GST 18/7 7-pole Wieland GST male plug with Honeywell locking mechanism (complete)

ULTRALITE PLUGS & LEADS FOR THE CONNECTION OF LIGHTSPOT HD SENSORS

LSHDSLW753	LightSpot HD Switching lead, Wieland 7-pin/5-core - 3 metre
LSHDSLW755	LightSpot HD Switching lead, Wieland 7-pin/5-core - 5 metre
LSHDDSLW763	LightSpot HD Dimming and Switching lead, Wieland 7-pin/6-core - 3 metre
LSHDDSLW765	LightSpot HD Dimming and Switching lead, Wieland 7-pin/6-core - 5 metre
LSHDQL2210	LightSpot HD QuickLink Bus lead, 2-pin/2-core - 10 metre

ENGINEERING TOOLS

QUICKSET	LightSpot HD Infrared Programming Controller
QUICKSET PRO	Digital 2 Way Programming Tool

Note: Used for LightSpot HD Sensors only.

* Note: These specifications relate to the product when used as a simple wiring device. When mains-switching presence detectors are used in conjunction with this equipment, it is the presence detectors which will normally dictate the maximum load. It is important to check, and not exceed, the specification of the current-switching presence detectors, which will typically be around 6 Amps.

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