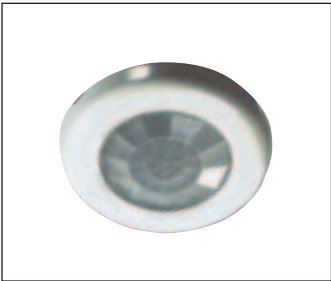


CPDM

Controls: Intelligent power distribution module



CPDMBETA



CPDMBD Sensor Head

CPDM features

- 10 socket outputs
- PIR/Photocell control or wall switch control
- Optional dimming control
- Emergency light testing
- Group control; two groups of 5 socket outputs
- Power status indicator
- Dedicated maintained line supply for emergency lighting

Detector A or Luminaire A1		Detector B or Luminaire B1
Luminaire A2		Luminaire B2
Luminaire A3		Luminaire B3
Luminaire A4		Luminaire B4
Luminaire A5		Luminaire B5

APPLICATION

The **Command Power Distribution Module CPDM** is aimed at applications where a range of benefits are sought:

- Reduced installation times with less risk of installation error
- Financial savings on the full project cost due to earlier building occupancy
- Simple re-allocation of luminaires to switches if spaces are re-configured
- Energy savings and easier compliance with Part L2 of the Building Regulations due to become more stringent in 2006

CPDM offers important advantages in a range of environments and end uses but benefits are magnified in applications when:

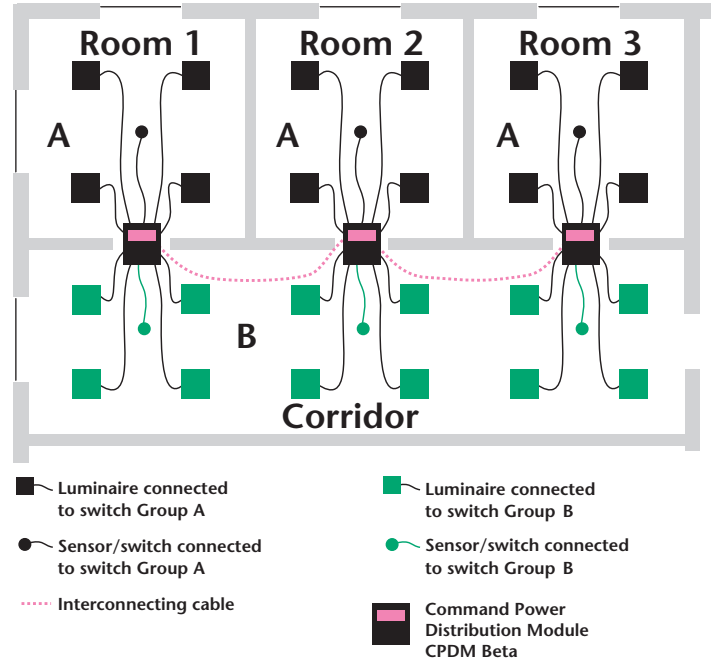
- projects are large scale
- major quantities of certain types of luminaire
- luminaires are consistently wired in the same configuration

SPECIFICATION

- Available in two formats:
 - Non-dimming - CPDM Alpha
 - Dimming - CPDM Beta
- Output connections – 10 Wieland type 4 pin GST/18 (CPDM Alpha), 6 pin GST/18 (CPDM Beta), sockets
- Can be wall switched as one group of 10 or two groups of 5
- Can be PIR switched as one group of 9 or two groups of 4
- Switching capacity – 6 amps per socket outlet but the total load must not exceed 8 amps per switching group or 16 amps for the full unit
- Supply 200-250v AC 50/60Hz
- Command control via PIR detector heads. Detectors simply plug into Wieland sockets
- Input connections – live, neutral, earth, maintained live, (+)DIM, (-)DIM
- Operating conditions -0°C to +50°C, relative humidity 95% non condensing
- Emergency test – activated by dropping maintained live
- Power status indicator
- Mounting details – galvanised steel construction. Two drill points for mounting beneath trunking or surface mount
- Cable entry – wiring tray has 3 x 20mm knockouts
- Dimensions – 245mm x 155mm x 48mm deep
- Lightswitch approved – when used with presence detectors

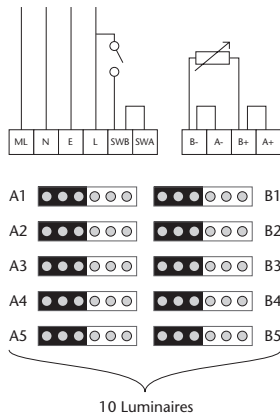
SENSORS

- The Command CPDM remote sensors incorporate passive infra red absence detection with enhanced sensitivity to small movements and a photocell to maintain a constant light level as daylight contribution varies and as lamps and luminaires age (photocell on beta version only)
- Supplied with interconnecting cables and plugs
- Three sensor types:
 - CPDM Alpha - non-dimming
 - CPDM Beta - digital dimming (DSI)
 - CPDM Beta - analogue dimming (1-10v)
- Sensor range 6m diameter at 2.4m ceiling height, maximum ceiling height 3m
- Eliminate the need for switch wiring
- The CPDM sensor is activated when a person enters the space and gradually dims to zero when the working area is vacated (dimming on Beta version only)
- Energy savings will vary depending on building use, glazed area, glass type and aspect but figures as high as 60% are possible
- For detailed sensor specification see table on page 201
- Controllers can all be used with CPDM sensors see page 198
- For factory presets see Command 3 page 197

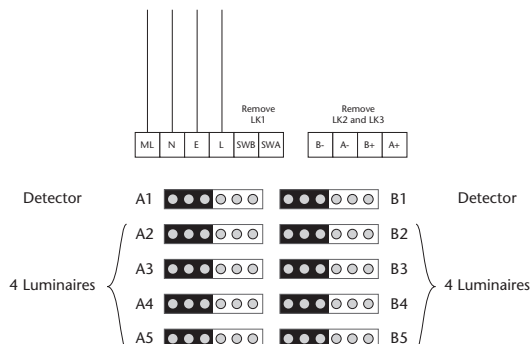


SAMPLE WIRING DIAGRAM

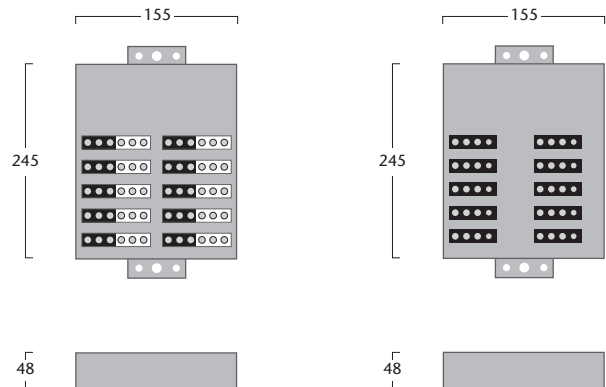
Wall switching/dimming



Two analogue dimming detectors



DIMENSIONS



ORDER CODES - CPDM

INTELLIGENT POWER DISTRIBUTION

PRODUCT

CPDMALPHA	Non-dimming command power distribution module
CPDMA	Command remote PIR non-dimming complete with 4-pin wieland plug and 3m lead (see page 199, COMRA for functions)
CPDMBETA	Dimming command power distribution module
CPDMBD	Command remote PIR digital (DSI) dimming complete with 6-pin wieland plug and 3m lead (see page 199, COMCD for functions)
CPDMBA	Command remote PIR analogue (1-10v) dimming complete with 6-pin wieland plug and 3m lead (see page 199, COMCA for functions)

To specify state:

Intelligent power distribution module with 10 Wieland type GST/18 output sockets switched as one group of 10 or two groups of 5 – wall switched, one group of 9 or two groups of 4 – PIR switched – capacity 16A switching for the full unit. Body in galvanised steel – as Whitecroft Lighting CPDM