

command plus

A lighting control system based upon simple switching and/or broadcast DALI control system, with flexible configuration options and the ability to control, link and reconfigure groups of luminaires.

detector selection chart

Detector	Catalogue page number	Mounting type	Detector type	Detector range	Maximum recommended ceiling height	Control method	Detection method	Occupancy type	Off delay x minutes	Daylight hold off	Daylight regulating	Programmable	Maximum load
PIR Detector COMPLB	284	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	switch live	PIR	Presence	5 - 35 mins	Yes	No	Yes	6 amps
Programmable PIR Detector COMPLCY	285	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	DALI	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	9 ballasts
Programmable PIR High Bay Detector COMPLCYHB	285	Recessed/ Surface	360°	Ø 16m @ 16m	16m	DALI	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	9 ballasts
Programmable Microwave Detector COMRGY	286	Recessed/ Surface	360°	Ø 10m @ 2.5m	3m	switch live/ DALI	Microwave	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	6 amps / 25 ballasts
Integrated PIR Detector COMPL4	287	Integrated	360°	Ø 6m @ 2.5m	3m	switch live/ DALI	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	2 amps or 2 DALI ballasts
programmable PIR Detector / photocell COMRCYDO	288	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	switch live/ DALI	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	6 amps / 9 ballasts
Programmable Directional Microwave Detector COMPLEY	288	Surface or Semi Recessed	Directional	20m x 20m rooms and up to 25m corridors	3.5m	switch live/ DALI	Microwave	Presence	5 - 35 mins	Yes	Yes	Yes	10 amps / 25 ballasts

Remote digital fixed output detector for controlling groups of luminaires. With integrated passive photocell and scene setting functionality.

- Recessed or surface mounted
- Switches up to 6A of lighting
- Maximum recommended mounting height 3M
- High frequency
- Maximum range of 6m Ø (based on 2.5m mounting height)
- Universal handheld controller purchased separately (COMSSC)
- Programmed with handheld programmer COMAP (supplied separately)

Order Codes

COMPLB

Command Plus PIR recessed detector

Command Plus PIR surface mounted detector

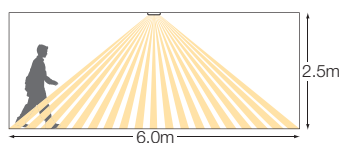
COMPLB

COMPLBSM



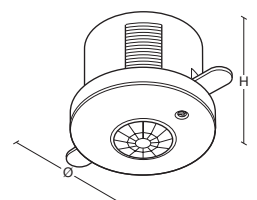
Surface Mounting

Detection Range



Dimensions

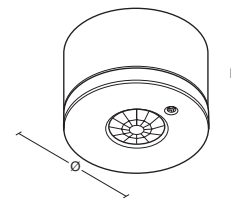
Recessed



Ø 100 H 62 CAØ 89*

* for metal pan or integration into luminaire cut aperture is 92mm

Surface



Ø 100 H 72

Accessories (See Page 309)



Advance Programmer COMAP



Handheld Controller COMHHC and COMSSC

- Programmable DALI broadcast PIR detector
- Recessed or surface mounted
- Standard height or high bay detectors
- For use with heights up to 3m with standard detectors or 16m for high bay
- Photocell
- Scene setting up to 6 scenes
- Universal handheld controller purchased separately (COMSSC)
- Programmed with handheld programmer COMAP (supplied separately)
- Controls up to 2 DALI ballasts (not for use with fixed output HF ballasts)

Order Codes

COMPLCY

Command Plus DALI PIR recessed detector

Command Plus DALI PIR surface mounted detector

Command Plus DALI PIR recessed high bay detector

Command Plus DALI PIR surface mount high bay detector

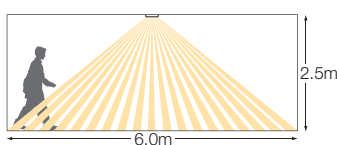
COMPLCY

COMPLCYSM

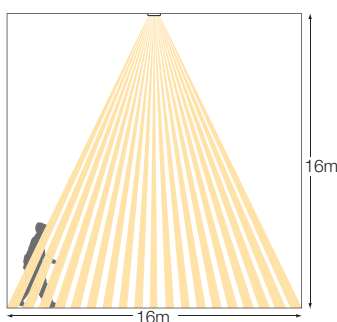
COMPLCYHB

COMPLCYHBSM

Detection Range



COMPLCY



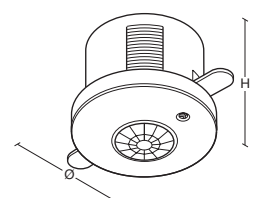
COMPLCYHB



Surface Mounting

Dimensions

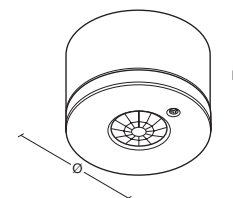
Recessed



Ø 100 H 62 CAØ 89*

* for metal pan or integration into luminaire cut aperture is 92mm

Surface



Ø 100 H 72

Accessories (See Page 309)



Advance Programmer COMAP



Handheld Controller COMHHC and COMSSC

- Uses active microwave presence detection technology
- Ceiling mounted 360° microwave detector
- Recessed or surface mounting
- Switches up to 6A of lighting
- Controls up to 25 DALI ballasts
- Sensitive to respond to very small movements
- Dual circuit control
 - switched output
 - separate DALI broadcast output for photocell control
- Wide angled lens detects movement up to 10m in diameter at 2.6m mounting height
- Measures daylight penetration and dims luminaires accordingly
- Maximum recommended mounting height 3m
- Wall switch override connections for push to make switch to manually control luminaires

Order Codes

DALI microwave detector

Recessed Mounting

Surface Mounting

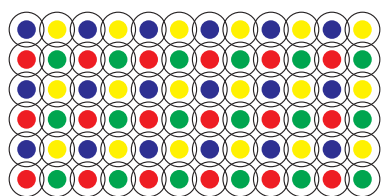
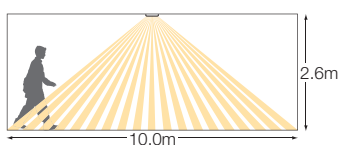
COMRGY

COMRGYSM



Surface Mounting

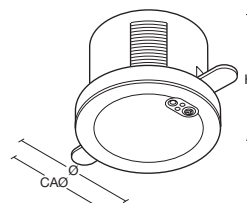
Detection Range



For reliable operation it is essential that units of the same colour code do not occupy adjacent positions in open-plan areas. This is why Whitecroft supplies four variants of the COMRG Detector (Blue/Yellow/Red/Green). Orders are dispatched with a suitable colour code mix.

Dimensions

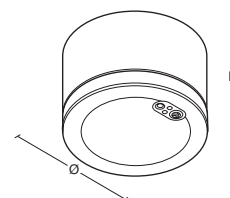
Recessed



Ø	H	CAØ
100	57	89*

* for metal pan or integration into luminaire cut aperture is 92mm

Surface



Ø	H
100	72

Accessories (See Page 309)



Advance Programmer COMAP



Handheld Controller COMHHC and COMSSC

- Integrated detector
- Programmable via the COMAP
- Regulating photocell ensures minimum maintained light level taking into account the contribution from adjacent luminaires and daylight
- Maximum range of 6m Ø (based on 2.5m mounting height)
- Remote switching via hand held controller
- Wall switch override to adjust light level or turn luminaires on or off
- Can control in a master and slave arrangement - contact our Technical Desk for further information
- Controls up to 2 DALI ballasts



Command plus 4



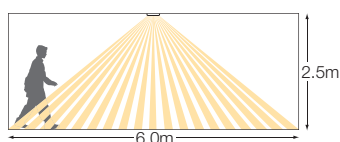
COM4 Louvre Mounted Option

Order Codes

COMPL4 PIR Integrated Detector

Product is supplied within a luminaire and not individually. To specify this product within a luminaire please consult our Technical Desk.

Detection Range



Accessories (See Page 309)



Advance Programmer COMAP



Handheld Controller COMHHC and COMSSC

command plus COMRCYDO

programmable PIR
detector/photocell

- Programmable DALI broadcast and switching PIR detector
- Recessed or surface mounted
- Scene setting for up to six scenes
- Maximum range of 6m Ø (based on 2.5m mounting height)
- Maximum recommended mounting height 3m
- Universal handheld controller purchased separately (COMSSC)
- Programmed with handheld programmer COMAP (supplied separately)
- Switches up to 6A of lighting
- Controls up to 25 DALI ballasts

Order Codes

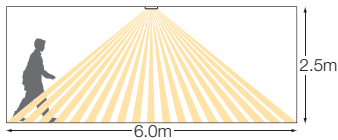
COMRCYDO

Recessed

Surface Mounting

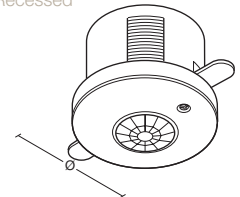
COMRCYDO
COMRCYDOSM

Detection Range



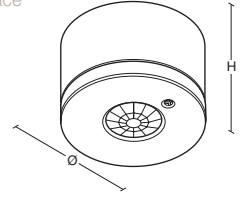
Dimensions

Recessed



Ø 100 H 62 CAØ 89*
* for metal pan or integration into
luminaire cut aperture is 92mm

Surface



Ø 100 H 72

command plus COMPLEY

programmable directional
microwave detector/photocell

The COMPLEY offers high performance directional presence detection for lighting control. It uses microwave presence detection technology which enables the range to be adjusted to suit any application and has relay and digital dimming outputs.

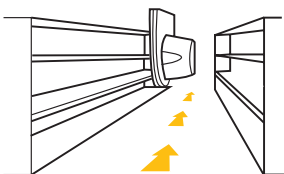
- Surface mounted mid range microwave presence detector
- Regulating photocell
- Scene setting
- Programmed with handheld programmer COMAP (supplied separately)
- Switches up to 10A of lighting
- Controls up to 25 DALI ballasts

Order Codes

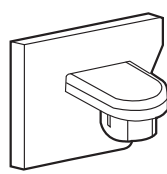
COMPLEY

Command Plus DALI and switching corner mount microwave COMPLEY

Methods Of Wall Mounting



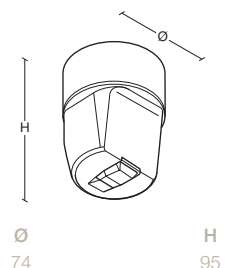
Vertical Mounting



Horizontal Mounting



Dimensions



command plus COMPLSP10

ten button scene control panel

The COMPLSP10 Scene Switch Panel is used to provide groups of luminaires with scene setting and recall, zone control and communication functions.

- Ten button scene control panel
- Fascia available in brushed stainless steel or white
- To set up to six lighting scenes
- Group dimming
- Fascia must be purchased separately to panel
- Universal handheld controller purchased separately (COMSSC)
- Programmed with handheld programmer COMAP (supplied separately)



Order Codes

COMPLSP10

Command Plus 10 button scene select panel

COMPLSP10

COMPLSP10 FASCIAS

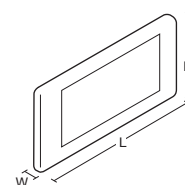
Brushed stainless steel fascia plate

SP10BSS

White fascia plate

SP10WHI

Dimensions



	L	W	H
With fascia	146	4	86

command plus COMPLSP4

four button scene control panel

- Four button scene control panel
- Fascia available in brushed stainless steel or white
- Fascia must be purchased separately to panel
- Counts as two nodes on Command Plus bus
- Commissioned using dip switches on reverse of panel



Order Codes

COMPLSP4

Command Plus 4 button scene select panel

COMPLSP4

FASCIAS

Brushed stainless steel fascia plate

SP4BSS

White fascia plate

SP4WHI

Dimensions



	L	W	H
With fascia	86	4	86

- An intelligent, programmable Lighting Control Module connection hub with 12 luminaire output sockets, 5 detector sockets and 5 override input sockets.
- Available in one of two formats:
 - Programmable Hub with Bus Card
 - Programmable Hub with Bus Card and DALI Dimming Card
- Detectors (supplied separately, requires patch lead for connection to hub):
 - Recessed PIR detector (COMRCGAMMA)
 - Recessed microwave detector (COMRGGAMMA)
 - Corner mounted microwave detector (COMREGAMMA)
 - Luminaire integrated PIR detector (COMPL4GAMMA)
- Universal handheld controller supplied separately (COMDSSC)



Order Codes

CPDMGAMMA	CPDMGAMMAB
Programmable Hub with Bus Card	
Programmable Hub with Bus Card and DALI Dimming Card	CPDMGAMMABY

Detectors

Recessed PIR for Hub	COMRCGAMMA
Recessed Microwave Detector for Hub	COMRGGAMMA
Corner Mounted Microwave Detector for Hub	COMREGAMMA
Luminaire integrated detector/photocell*	COMPL4GAMMA

Accessories

3m patch lead for detectors to Gamma Hub	W/BT5E030GY
5m patch lead for detectors to Gamma Hub	W/BT5E050GY
10m patch lead for detectors to Gamma Hub	W/BT5E100GY
Switch input plugs (pack of 5)	W/CDWIP

* Product is supplied within a luminaire and not individually. To specify this product within a luminaire please consult our Technical Desk.

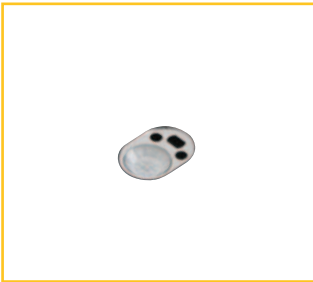
Note: If you do not require this product to be networked please see command section.



COMRCGAMMA



COMRGGAMMA

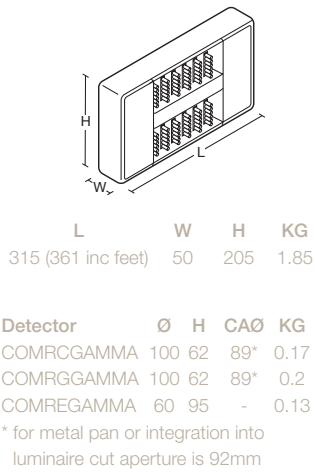


COMPL4GAMMA*



COMREGAMMA

Dimensions



The COMPLBC is a digital bus power supply that powers and synchronises the bus for up to 200 devices. It is equipped with a test facility which provides a simple check of the bus integrity and three volt free inputs to enable easy control of complete systems from one centralised location.

Linking of the Bus Power Supply units enables a building wide common zone to be established without the need for additional hardware. Up to 99 COMPLBC Power Supply units can be connected together (per installation) increasing capacity to almost 20,000 devices on a single system.

- Digital bus power supply
- Powers and synchronises the bus for up to 200 devices
- Integrated test facility
- Three volt free inputs
- Operating at 230V
- Power consumption <10W
- IP65



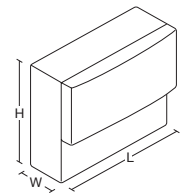
Order Codes

COMPLBC

Command Plus bus power supply

COMPLBC

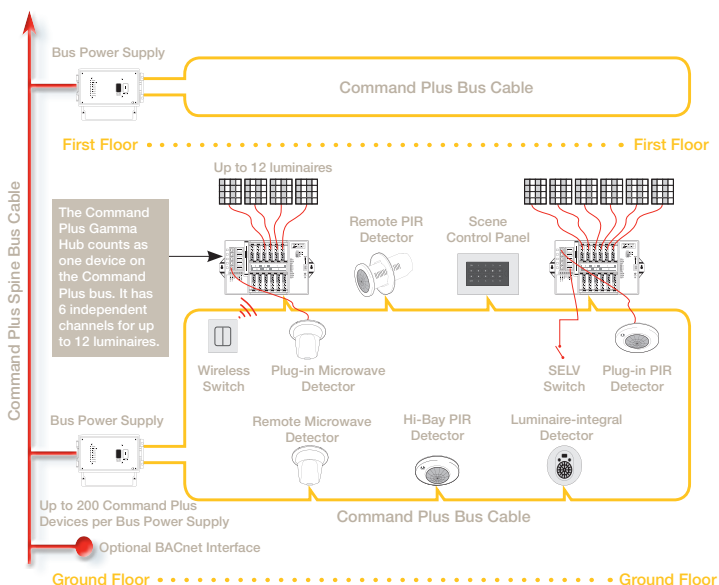
Dimensions



L	W	H
213	117	185

Installation

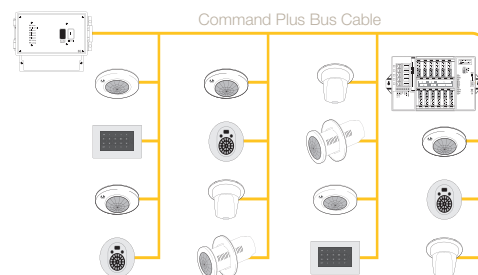
To further Bus Power Supplies (up to 99 in total)



Free bus topology for maximum flexibility

The 2-wire communications bus that connects all the devices so that they can share occupancy information can be run alongside the mains wiring.

The loop arrangement (shown in the example left) is preferred as it enables automatic bus-integrity testing but the bus may also be installed in a 'T' (shown below) or star arrangement.



command plus COMPLBCLT

small area digital
power supply

The COMPLBCLT Digital Power Supply 'Lite' is a low-cost Bus Power Supply for small buildings, or areas with fewer than 100 devices (e.g. presence detectors).

The COMPLBCLT can accept inputs from ordinary wall switches to manually override presence detectors programmed to zones 1 and/or 2.

- Digital bus power supply
- Powers and synchronises the bus for up to 100 devices
- Operating at 230V
- Power consumption <10W
- Switches up to 10A of lighting



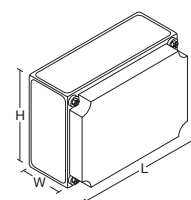
Order Codes

COMPLBCLT

Command Plus bus power supply lite

COMPLBCLT

Dimensions



L	W	H	KG
175	75	125	0.12

command plus COMPLUBT

universal bus
transceiver

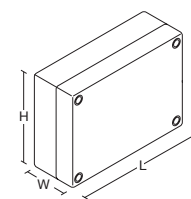
The COMPLUBT Universal Bus Transceiver expands the scope of your controls system by enabling otherwise uncontrolled lighting and non-lighting loads to be brought into the system.

Universal bus transceivers are programmed to respond to signals from the Command Plus bus as part of a zone, common zone and/or building zone and operate in the same way as all of our detectors.

- Enables otherwise uncontrolled lighting and non lighting loads to be brought into a controls system
- Transmits and receives signals to and from the bus
- A boxed enclosure
- Operating voltage 230V 50Hz
- Maximum of 20 DALI ballast load
- Programmed via COMAP (supplied separately)
- Switches up to 10A of lighting



Dimensions



L	W	H	KG
175	75	125	0.12

Order Codes

COMPLUBT

Command Plus universal bus transceiver

COMPLUBT

command plus CPDMHW4/8

programmable intelligent
hard wired hubs

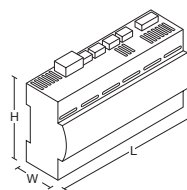
- Programmable intelligent hard wired lighting control modules in either 4 or 8 channel outputs
- Connects multiple luminaires, presence detectors and SELV inputs
- Maximum 18W power consumption
- Operational Supply 230VAC ~50Hz/60Hz

Order Codes

Command Plus 4 port hard wired hub	CPDMHW4
Command Plus 4 port hard wired hub with DALI dimming card	CPDMHW4Y
Command Plus 4 port hard wired hub with communicating card and DALI dimming card	CPDMHW4BY
Command Plus 4 port hard wired hub with communicating card	CPDMHW4B
Command Plus 8 port hard wired hub	CPDMHW8
Command Plus 8 port hard wired hub with DALI dimming card	CPDMHW8Y
Command Plus 8 port hard wired hub with communicating card and DALI dimming card	CPDMHW8BY
Command Plus 8 port hard wired hub with communicating card	CPDMHW8B



Dimensions



Version	L	W	H	KG
CPDMHW4	213	91	62	0.55
CPDMHW8	213	91	62	0.62

command plus COMPLINT

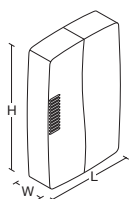
control and
communication interface

- Control and communication interface
- BACnet interface with supervisory and scheduling control
- Command Plus bus to RS485 interface
- Programmable timed event scheduling
- Sharing of occupancy information with the BMS

Order Codes

COMPLINT	
Command Plus control and communication interface	COMPLINT

Dimensions



L	D	H	KG
197	58	321	1.36

