

command

Stand-alone switching and/or dimming detectors/photocells, allowing a group of luminaires to be created and controlled by a single detector.

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 COMRA	296	Recessed	360°	Ø 6m @ 2.5m	3m	Switch live	PIR	Presence	20 mins	Yes	No	No	6 amps
PIR Detector without Photocell COMRAU	296	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	Switch live	PIR	Presence	20 mins	No	No	No	6 amps
Programmable PIR Detector COMRB	297	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	Switch live	PIR	Presence	5 - 35 mins	Yes	No	Yes	6 amps
Dual Circuit Programmable PIR Detector COMRBDC	297	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	1 x switch live and 1 x volt free	PIR	Presence	5 - 35 mins	Yes	No	Yes	6 amps
programmable PIR Detector COMRCY	298	Recessed/ Surface	360°	Ø 6m @ 2.5m	3m	DALI	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	9 ballasts
Directional Ultrasonic Detector COMRD	300	Surface or Semi Recessed	Directional	10m x 10m rooms and up to 15m corridors	5m	Switch live	Ultrasonic	Presence	5 - 15 mins	Yes	No	Manual	10 amps
Directional Microwave Detector COMRE	301	Surface or Semi Recessed	Directional	20m x 20m rooms and up to 25m corridors	3.5m	Switch live	Microwave	Presence	10 sec - 20 mins	Yes	No	Manual	10 amps
Programmable Directional Microwave Detector COMREY	301	Surface or Semi Recessed	Directional	20m x 20m rooms and up to 25m corridors	3.5m	switch live/ DALI	Microwave	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	10 amps/ 25 ballasts
Long Range Microwave Detector COMRF	302	Surface	Directional	30m/ 60m	6m	switch live	Microwave	Presence / Absence	0 - 16 mins	No	No	Manual	10 amps
Programmable Photocell COMRJ	302	Recessed	NA	NA	6m	switch live/ DALI	NA	NA	NA	Yes	Yes	Yes	6 amps/ 25 ballasts
Integrated PIR Detector COM3	307	Integrated	360°	Ø 6m @ 2.5m	3m	DALI	PIR	Presence	5 - 35 mins	Yes	Yes	Yes	1 DALI ballast
Integrated PIR Detector COM4	307	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 Microwave Detector COMRGY	299	Recessed/ Surface	360°	Ø 10m @ 2.5m	3m	switch live/ DALI	Microwave	Presence / Absence	5 - 35 mins	Yes	Yes	Yes	6 amps/ 25 ballasts

- Uses passive infra red detection technology
- For recessed or surface mounting 360° detector
- Off delay of 20 minutes from last observed movement
- 10 second walk test mode
- Switches up to 6A of lighting
- Maximum range of 6m Ø (based on 2.5m mounting height)
- Maximum recommended mounting height 3m
- Photocell measures daylight penetration and holds off luminaires if adequate daylight is present (COMRA only)
- Remote switching via hand held controller (COMHHC)
- Recessed version supplied complete with 3m lead
- 'THETA' hub detector supplied with 3m lead and 7 way plug for connection to CPDMTHETA (see page 303)



Order Codes

PIR Detector with Photocell

Recessed

Recessed THETA

COMRA
COMRATHETA

PIR Detector without Photocell

Recessed

Surface Mounting

COMRAU
COMRAUSM

Options

Plasterboard Fixing Kit

COMPB

Optional Command Fast Link Connector

CFL 4 POLE

Add suffix /CFL4P

i.e. COMRA/CFL4P

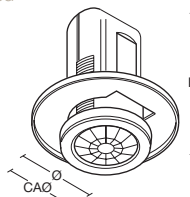
CFL 6 POLE

Add suffix /CFL6P

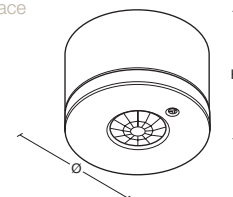
i.e. COMRA/CFL6P

Dimensions

Recessed



Surface

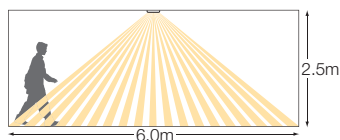


Version	Ø	H	CAØ
Recessed	65	115	50*
Recessed THETA	65	115	64

Ø	H
100	72

* When using CFL 6 Pole CAØ on recessed version is 64

Detection Range



Accessories (See Page 309)



Handheld Programmer COMPTC for COMRA Photocell Programming only



Handheld Controller COMHHC

- Uses passive infra red detection technology
- For recessed or surface mounting 360° detector
- Programmable via the COMPTC programmer
- Variable off delay of between 5 - 35 minutes from last observed movement including 10 second walk test mode
- Switches up to 6A of lighting
- Maximum range of 6m Ø (based on 2.5m mounting height)
- Maximum recommended mounting height 3m
- Photocell measures daylight penetration and switches luminaires dependant upon natural light level
- Dual circuit option -
1 x switched-live and 1 x volt-free circuit
(can be used to switch another device, e.g. Fan)
- Remote switching via hand held controller (COMHHC)
- Recessed version supplied complete with 3m lead
- 'THETA' hub detector supplied with 3m lead and 7 way plug for connection to CPDMTHETA (see page 303)



Recessed COMRBDC only



Surface Mounting

Order Codes

Programmable PIR Detector

Recessed
Recessed THETA
Surface Mounting

COMRB
COMRBTHETA
COMRBDM

Dual Circuit Programmable PIR Detector

Recessed Mounting
Surface Mounting

COMRBDC
COMRBDCSM

Options

Plasterboard Fixing Kit

COMPB

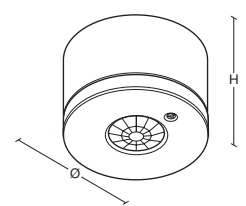
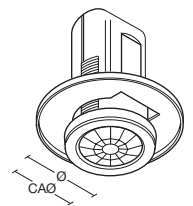
Optional Command Fast Link Connector

CFL 4 POLE	Add suffix /CFL4P	i.e. COMRB/CFL4P
CFL 6 POLE	Add suffix /CFL6P	i.e. COMRB/CFL6P

Dimensions

COMRB only

Surface

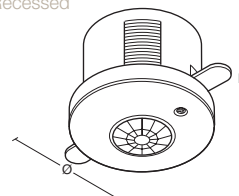


Version	Ø	H	CAØ
Recessed	65	115	50
Recessed THETA	65	115	64

Ø	H
100	72

* When using CFL 6 Pole CAØ on recessed version is 64

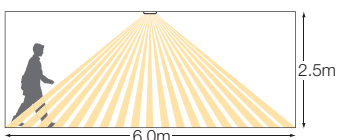
Recessed



Ø	H	CAØ
100	62	89*

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

Detection Range



Accessories (See Page 309)



Handheld Programmer COMPTC



Handheld Controller COMHHC

- Uses passive infra red detection technology
- For recessed or surface ceiling mounting 360° detector
- Variable off delay of between 5 - 35 minutes from last observed movement including 10 second walk test mode
- Switches up to 6A of lighting (COMRCYDO only)
- Controls up to 9 DALI ballasts
- Maximum range of 6m Ø (based on 2.5m mounting height)
- Regulating photocell ensures a minimum maintained light level taking account of the contribution from adjacent luminaires and daylight
- Remote switching via hand held controller (COMHHC)
- Recessed version supplied complete with 3m lead (COMRCY only)
- Wall switch override for push to make switch to manually control luminaires
- Dual circuit control (COMRCYDO only)
 - switch output
 - separate DALI output for photocell control



Recessed COMRCYDO only



Surface Mounting

Order Codes

DALI Programmable PIR Detector

Recessed*

Surface Mounting*

COMRCY
COMRCYSM

DALI Dual Circuit Programmable PIR Detector

Recessed

Surface Mounting

COMRCYDO
COMRCYDOSM

Options

Plasterboard Fixing Kit (COMRCY only)

COMPB

Optional Command Fast Link Connector

CFL 6 POLE

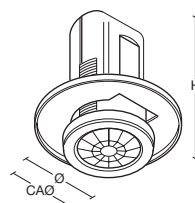
Add suffix /CFL6P

i.e. COMRCY/CFL6P

* Not for use with fixed output HF ballasts

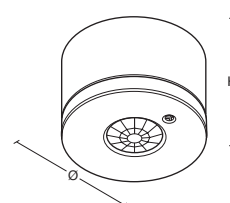
Dimensions

COMRCY only



Ø 65 H 115 CAØ 50

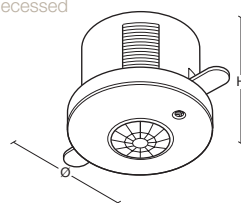
Surface



Ø 100 H 72

* When using CFL 6 Pole CAØ on recessed version is 64

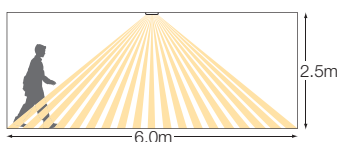
Recessed



Ø 100 H 62 CAØ 89*

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

Detection Range



Accessories (See Page 309)



Advance Programmer COMAP



Handheld Controller COMHHC

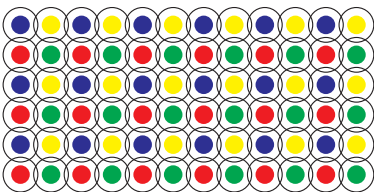
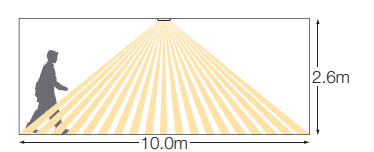
- Uses active microwave presence detection technology
- Ceiling mounted 360° microwave detector
- Recessed or surface mounting
- Switches up to 6A of lighting
- Controls up to 25 DALI ballasts
- Sensitive to respond to very small movements
- Dual circuit control
 - switched output
 - separate DALI output 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
- 'THETA' hub detector supplied with 3m lead and 7 way plug for connection to CPDMTHETA (see page 303)

Order Codes

DALI Microwave Detector	COMRGY
Recessed	COMRGYTHETA
Recessed THETA	COMRGYSM
Surface Mounting	

Optional Command Fast Link connector	
CFL 6 POLE/3 POLE	Add suffix /CFL63P i.e. COMRG/CFL63P

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.



Surface Mounting

Dimensions

Version	Ø	H	CAØ	Ø	H
Recessed	100	57	89*	100	72
Recessed THETA	100	62	89*		

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

Accessories (See Page 309)



Advance Programmer COMAP



Hand held controller COMHHC and COMSSC

- Uses ultrasonic detection technology
- Surface mounted directional detector
- 5, 10 or 15 minute time delay including 5 second walk test - selected via internal switches
- Switches up to 10A of lighting
- Sensitive to respond to very small movements
- Detects movement in rooms up to 10m x 10m and up to 15m range along a corridor - selected via internal switches
- Measures daylight penetration and holds off luminaires if adequate daylight is present
- Maximum recommended mounting height 5m
- Semi recessed mounting kit available



Order Codes

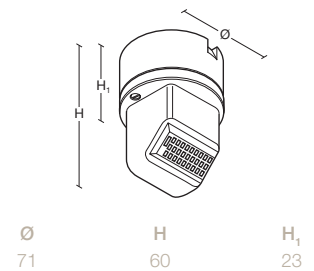
Directional Ultrasonic Detector

Surface Mounting

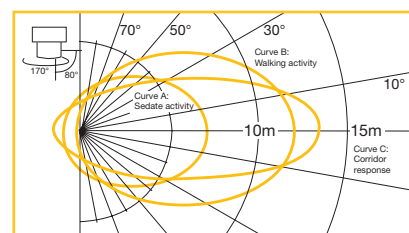
Semi Recessed Mounting Kit

COMRD
COMRDSFK

Dimensions



Detection Range



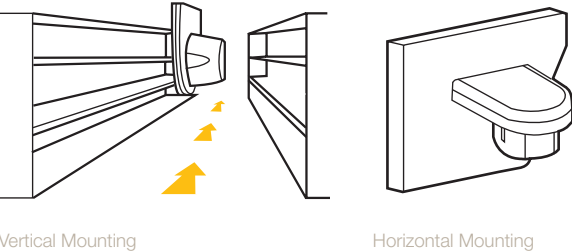
Detection Footprint at 2.4m Mounting Height

- Uses active microwave detection technology
- Surface mounted directional detector
- 10 second to 20 minute time delay
- Switches up to 10A of lighting
- Controls up to 25 DALI ballasts (COMREY only)
- Sensitive to respond to very small movements
- Capable of effective presence detection in rooms of up to 20m x 20m and up to 25m range along a corridor
- Measures daylight penetration and holds off luminaires if adequate daylight is present (COMRE only)
- Adjustment controls for ON range, OFF range, OFF delay and photocell via side door (COMRE only)
- Maximum recommended mounting height 3.5m
- Semi recessed mounting and wall mounting kit available
- DALI versions available. Connections for push to make switch to manually control luminaires (COMREY only)
- 'THETA' hub detector supplied with 3m lead and 7 way plug for connection to CPDMTHETA (see page 303)

Order Codes

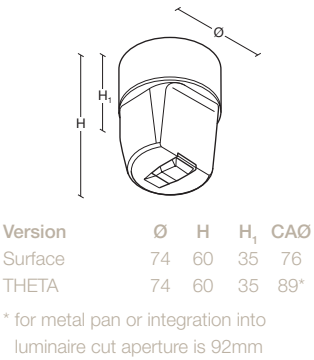
Directional Microwave Detector	COMRE
Surface Mounting	
DALI Directional Microwave Detector	COMREY
Surface Mounting	
Recessed Mounting THETA	COMREYTHETA
Options	
Semi Recessed Mounting Kit	COMRESFK
Wall Mounting Kit	COMREWMK

Methods Of Wall Mounting



Semi Recessed Mounting

Dimensions



Accessories (See Page 309)



Advance Programmer COMAP
(for use with COMREY and COMREYTHETA only)



Handheld Controller COMHHC

command COMRF

long range microwave detector

- Uses active microwave detection technology
- Surface mounted long range microwave detector
- 0 – 16 minutes time delay adjustable in control unit
- Superior microwave technology detects movement up to 60m range
- Robust construction allows presence detection for a variety of large areas such as Warehouses, Sports Halls, Car parks etc.
- Control unit and head box can be mounted up to 100m apart
- Dual circuit control unit can switch 10A in total

Order Codes

Long range microwave detector

30m head box mounted*

COMRF30B

60m head box mounted*

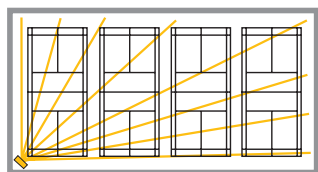
COMRF60B

Control unit with dual circuit relay

COMRCON2

* COMRF30B/60B must always be ordered in conjunction with COMRCON2 control unit

Positioning

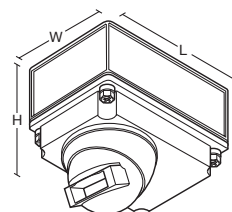


The detector can see through glass and should be positioned away from thin partitions and windows

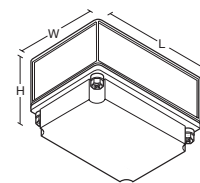


Semi Recessed Mounting

Dimensions



L 175 W 125 H 145



L 175 W 125 H 100

command COMRJ

programmable photocells

- Recessed ceiling mounted photocell
- Passing cloud timer
- Programmable via the COMAP programmer
- Supplied complete with 3m lead
- Programmable photocell
 - Switches up to 6A of lighting
 - Measures daylight penetration and holds off luminaires accordingly
- Programmable dimming photocell
 - Controls a maximum of 25 DALI ballast
 - Measures daylight penetration and dims luminaires accordingly



Order Codes

Programmable Photocell

Recessed Mounting

COMRJ

Dimming Universal Photocell

Recessed Mounting

COMRJDIM

Options

Plasterboard Fixing Kit

COMPB

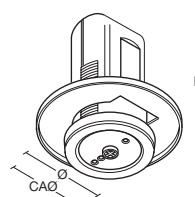
Optional Command Fast Link connector

CFL 6 POLE

Add suffix /CFL6P

i.e. COMRJ/CFL6P

Dimensions



Ø 65 H 115 CAØ 50

* When using CFL 6 Pole option CAØ is 64

Accessories



Advance Programmer COMAP



Handheld Controller COMHHC and COMSSC

- Command open plan 10 port hub
- To interconnect presence detectors and luminaires
- One or two detectors can be connected to up to ten luminaires depending on the configuration used
- Range of detectors for use with CPDMTHETA available (purchased separately)
- All THETA detectors are supplied with 3m cables and 7-way connector for connection to CPDMTHETA



Order Codes

CPDMTHETA

Command Connection Centre CD Box

CPDMTHETA

Accessories

7 pin plug for use with CPDMTHETA detectors

THETA/7P



COMRATHETA / COMRBTHETA



COMRGYTHETA

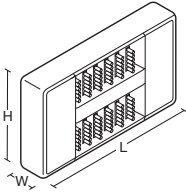


COMRCYDOTHETA



COMRETHETA / COMREYTHETA

Dimensions



L	W	H	KG
315 (361 inc feet)	50	205	1.85

Detector	Ø	H	CAØ
COMRATHETA	65	115	64
COMRBTHETA	65	115	64
COMRGYTHETA	100	62	89*
COMRCYDOTHETA	100	62	89*
COMRETHETA	74	95	90
COMREYTHETA	74	95	90

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

- Available in two formats:
 - Non-dimming – CPDM Alpha
 - Dimming – CPDM Beta
- Output connections –
 - 10 Wieland type 4 pin GST/18 sockets (CPDM Alpha)
 - 10 Wieland type 6 pin GST/18 sockets (CPDM Beta)
- 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 (6A when COM detectors are used)
- 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
- Command control via detector heads. Detectors simply plug into Wieland sockets
- 3 x 20mm knockouts for cable entry
- Sockets mounted in galvanised steel box
- Emergency lighting key switch terminations

Order Codes

CPDM

Non-dimming command open plan hub

CPDMALPHA

Command remote PIR non-dimming complete with 4-pin wieland plug and 3m lead (see **COMRA** for functions)

COMRACFL4P

Dimming command open plan hub

CPDMBETA

Command remote PIR non-dimming complete with 6-pin wieland plug and 3m lead (see **COMRB** for functions)

COMRBCFL6P

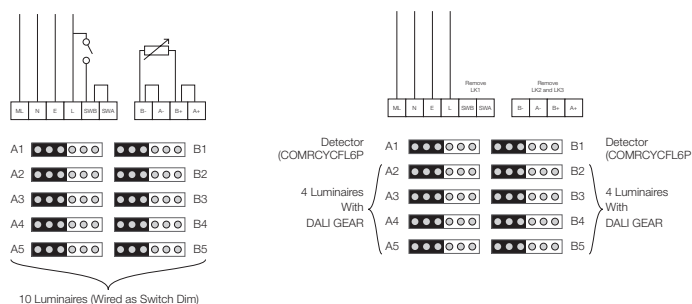
Command remote PIR digital (DALI) dimming complete with 6-pin wieland plug and 3m lead (see **COMRCY** for functions)

COMRCYCF6P

Sample Wiring Diagram

Wall switching/dimming

Two DALI dimming detectors

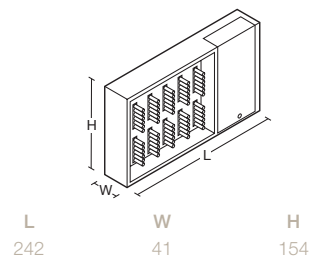


COMRA/COMRB

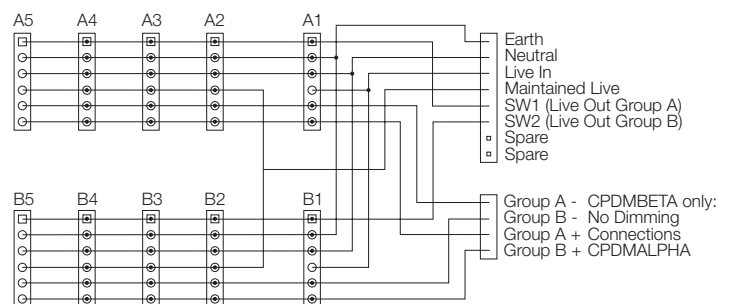


COMRCD/COMRCY

Dimensions



Connections



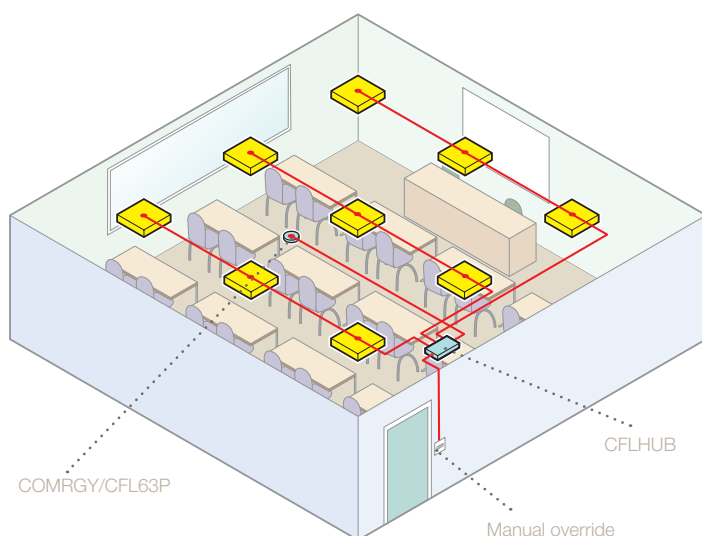
To Specify

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. Body in galvanised steel – as Whitecroft Lighting CPDM

- Low profile housing, perimeter mounted connector for mounting in limited void space
- Integrated mounting detail for surface, rod or trunking fixing
- Output connections
 - 3 x 6 pole lighting outputs rated at 6A
- Control Connections
 - Dimming or switching detector input socket
 - 1 - 3 gang manual switch override sockets
- Emergency lighting key switch socket
- Injection moulded flame retardant housing with mains entry cover and cable retainer

The Command Classroom Hub can be used in conjunction with CFL components to deliver a wide variety of configurations. An on-line systems builder is available to show how the hub can be configured to control daylight dimming, occupancy, manual overrides and emergency lighting options. Use our web based configurator to define one of 57 ways to connect the CFLHUB for a classroom application. For more information visit the Whitecroft website.

Typical classroom configuration utilising a command microwave detector/photocell/COMRGY/CFL63P for absence detection, window row dimming and manual override



Order Codes

Hub

Command Small Area Hub

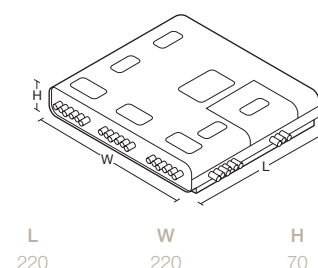
CFLHUB

Command Fast Link

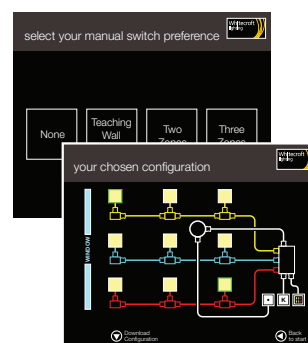
See pages 310 to 314 for a listing of the range of leads and detectors to complete a full Command Fast link plug and play installation. A design service is available, please contact the Whitecroft office for further details.



Dimensions



Web Configurator



Use our web based configurator to define one of 57 ways to connect the CFLHUB for a classroom application. For more information visit the Whitecroft website.

To Specify

Local area lighting control module with 3 off 6 pole 6A outputs, occupancy/daylight detection and manual override switch inputs. Compatible with GST18 connectors – as Whitecroft Lighting CFLHUB

- 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
 - Programmable Hub with DALI Dimming Card
- Detectors (supplied separately, requires patch lead for connection to hub):
 - PIR detector (COMRCGAMMA)
 - Ceiling mounted microwave detector (COMRGGAMMA)
 - Corner mounted microwave detector (COMREGAMMA)
 - Luminaire integrated PIR detector (COMPL4GAMMA)
- Universal handheld controller supplied separately (COMDSSC)



Order Codes

CPDMGAMMA	CPDMGAMMA
Programmable Hub	
Programmable Hub with DALI Dimming Card	CPDMGAMMAY

Detectors

PIR for Hub	COMRCGAMMA
Ceiling Mounted Microwave Detector for Hub	COMRGGAMMA
Corner Mounted Microwave Detector for Hub	COMREGAMMA
Luminaire integrated detector*	COMPL4GAMMA

Accessories

3m patch lead for detectors to GammaHub	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 require this product to be networked please see command plus section



COMRCGAMMA



COMRGGAMMA



COMPL4GAMMA*



COMREGAMMA

Dimensions

L	W	H	KG
315 (361 inc feet)	50	205	1.85

Detector	Ø	H	CAØ	KG
COMRCGAMMA	100	62	89*	0.17
COMRGGAMMA	100	62	89*	0.2
COMREGAMMA	60	95	-	0.13

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

- Integrated detector
- Programmable via the COMAP and COMPTC programmer
- 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)
- 5-35 minute time delay including 10 second walk test
- Remote switching via hand held controller
- Wall switch override to adjust light level or turn luminaires on or off (COM4 only)
- Can control in a master and slave arrangement - contact our Technical Desk for further information

Order Codes

COM3 DALI PIR Detector

See luminaire pages for order codes

COM4 Switching PIR Detector

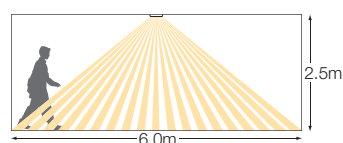
See luminaire pages for order codes

COM4 DALI PIR Detector

See luminaire pages for order codes

Look for the  symbol

Detection Range



Command 3



Command 4



COM3 Infill Mounted Option



COM4 Louvre Mounted Option

Accessories (See Page 309)



Advance Programmer COMAP



Handheld Programmer COMPTC



Handheld Controller COMHHC and COMSSC

command COM5

integrated intelligent
detector/photocells

- Integrated detector
- Uses active microwave technology
- 360° detection
- Maximum range of 10m Ø (based on 8m mounting height)
- Detection area can be reduced by selecting the combination on a DIP switch to maximise performance in specific applications (10/30/50/75/100%)
- 5 seconds to 25 minutes time delay
- Can control in a master and slave arrangement - contact our Technical Desk for further information



Look for the  symbol

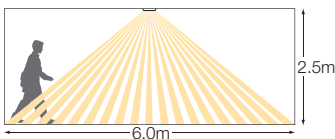
command COM6

- Integrated detector
- Programmable via the COMAP or COMPTC programmer
- Regulating photocell ensures minimum maintained light level taking into account the contribution from the adjacent luminaires and daylight (COM6Y only)
- Maximum range of 6m Ø (based on 2.5m mounting height)
- 5 min – 35 min time delay including 10 second walk test
- Remote switching via hand held controller
- Can control in a master and slave arrangement - contact our Technical Desk for further information



Look for the  symbol

Detection Range



COMHHC

- A handheld controller designed to allow temporary local user override – on, off, raise and lower light level

Order Codes

Handheld

Handheld Controller

COMHHC

handheld controller



COMSSC

- A handheld controller designed to allow temporary local user override – on, off, raise and lower light level
- 6 presets for scene setting

Order Codes

Scene Setting handheld

Handheld Controller

COMSSC

scene setting handheld controller



COMPTC

- A handheld programmer that allows the user to set variable parameters on selected Whitecroft Lighting Command COMR detectors by using switches within the device

Order Codes

Programmable

Handheld Programmer

COMPTC

handheld programmer



COMAP

- A handheld programmer that allows the user to set variable parameters on most Whitecroft Lighting Command COMR and all COMPL detectors via a digital display and on screen menu. This device can also interrogate and download settings from a detector

Order Codes

Advanced Programmable

Handheld Programmer

COMAP

advanced handheld programmer

