

command elite

A fully addressable DALI control system, offering you the ability to control individual luminaires and detectors, configure and re-configure groups and create interacting groups of luminaires. This allows complete lighting management and reporting, along with integration into other elements of a building management system.

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
DALI Addressable PIR Detector COMDRA	272	Recessed/ Surface	360°	Ø 7m @ 2.8m	3m	DALI Addressable	PIR	Presence / Absence	5 - 35 mins	No	No	Yes
DALI Addressable Microwave Detector COMDRG	272	Recessed/ Surface	360°	Ø 16m @ 2.8m	3m	DALI Addressable	Microwave	Presence / Absence	5 - 35 mins	No	No	Yes
DALI Addressable PIR Detector COMDRD	273	Recessed	360°	Ø 4.5m @ 2.5m	3m	DALI Addressable	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes
DALI Addressable Directional Microwave Detector COMDRE	273	Recessed/ Surface	Directional	22m x 6m @ 2.8m	3m	DALI Addressable	Microwave	Presence / Absence	5 - 35 mins	No	No	Yes
Integral DALI Addressable PIR Detector COMD1	274	Integrated	360°	Ø 4.5m @ 2.5m	3m	DALI Addressable	PIR	Presence / Absence	5 - 35 mins	Yes	Yes	Yes

command elite COMDRA

DALI addressable PIR detector

A compact ceiling unit that utilises a passive infra-red detector.

- Designed with springs to push fit into a ceiling
- Presence detection
- DALI consumption 15mA
- Status LEDs
- Programmable light on when occupied and off when empty
- Programmable time out period for when room is vacated



Order Codes

DALI Addressable PIR Detector

Recessed

Surface Mounting Box*

*Sold separately to COMDRA unit

COMDRA
COMSM1

Optional Command Fast Link connector

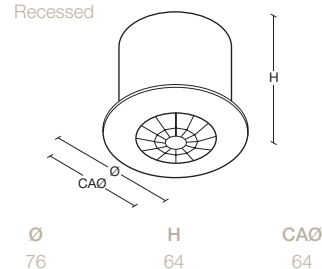
CFL 3 POLE

Add suffix /CFL3P

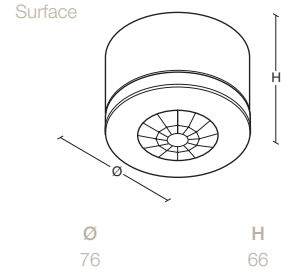
i.e. COMDRA/CFL3P

Dimensions

Recessed



Surface



command elite COMDRG

DALI addressable microwave detector

A compact recessed low profile microwave detector that emits low power microwave signals to detect movement.

- Designed with springs to push fit into a ceiling
- Movement detection with sensitive microwave sensor
- DALI consumption 20mA
- Status LEDs
- Programmable time-out period for when room is vacated



Order Codes

DALI Addressable Microwave Detector

Recessed

Surface Mounting Box*

*Sold separately to COMDRG unit

COMDRG
COMSM1

Optional Command Fast Link connector

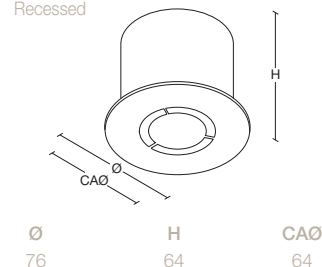
CFL 3 POLE

Add suffix /CFL3P

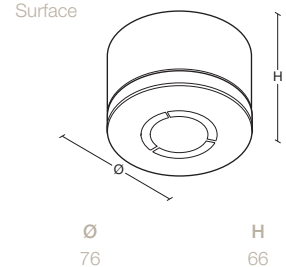
i.e. COMDRG/CFL3P

Dimensions

Recessed



Surface



command elite COMDRD

DALI addressable PIR detector/photocell

The Multisensor is a compact unit containing the necessary sensors to provide energy saving functions. It has constant light sensor, a passive infra-red detector (PIR) and an infra-red receiver for the Infrared Remote.

- Designed to push fit into a ceiling or luminaire housing
- Programmable constant light
- Presence detection
- Control using the hand held remote (COMDSSC)
- Switch-Control input
- DALI power consumption 15mA
- Programmable time out period for when room is vacated



Order Codes

DALI Addressable PIR/Photocell detector
Recessed Mounting

COMDRD

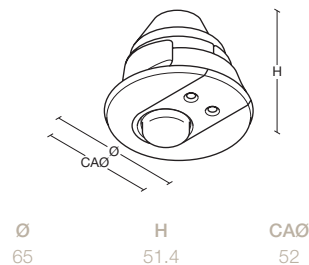
Optional Command Fast Link connector

CFL 3 POLE

Add suffix **/CFL3P**

i.e. COMDRD/CFL3P

Dimensions



command elite COMDRE

DALI addressable tilting microwave detector

A compact recessed tilting microwave detector that emits low power microwave signals to detect movement. An adjustable sensor head allows the area of detection to be optimised for specific purposes.

- Designed with springs to push fit into a ceiling
- Movement detection with sensitive microwave sensor
- DALI consumption 40mA
- Status LEDs
- Programmable time out period for when room is vacated



Order Codes

DALI Addressable Tilting Microwave Detector

Recessed

COMDRE

Surface Mounting Box*

COMSM2

*Sold separately to COMDRE

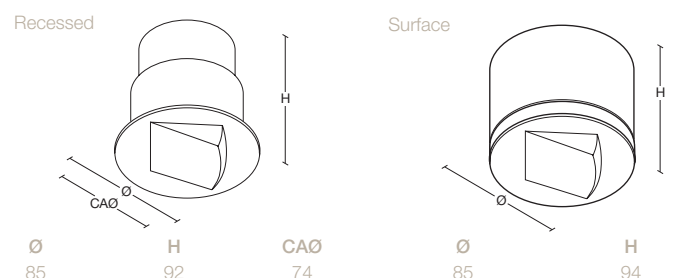
Optional Command Fast Link connector

CFL 3 POLE

Add suffix **/CFL3P**

i.e. COMDRE/CFL3P

Dimensions



COMD1

DALI addressable luminaire integrated detector

A compact luminaire based addressable sensor that utilises a passive infra-red detector (PIR), a photocell and an infra-red receiver for use with the infra-red handset (supplied separately).

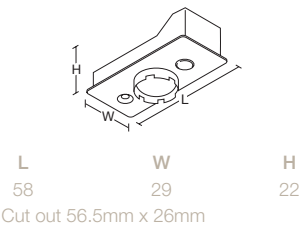
- Integrated detector
- Regulating photocell ensures minimum maintained light level taking into account the contribution from adjacent luminaires and daylight
- Presence detection
- Control using hand held remote (COMDSSC)
- DALI consumption 10mA
- Mode selector with LED feedback
- Clip on fascias



Order Codes

COMD1 DALI Addressable PIR Luminaire Integrated Detector
Product is supplied within a luminaire and not individually. To specify this product within a luminaire please consult our Technical Desk.

Dimensions



command elite COMDPSU

DALI power supply

Fully DALI compatible Power Supply Unit, designed to provide the required supply of up to 250 mA, up to 63 devices. Unit is DIN-rail mounted.

- Status LED
- DALI short circuit and over temperature protected

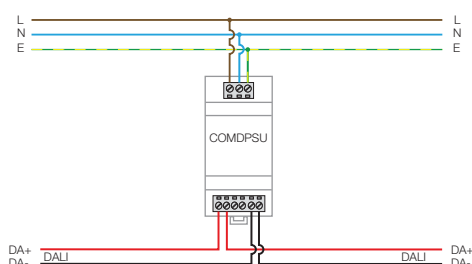
Order Codes

DALI Power Supply
DALI Power Supply

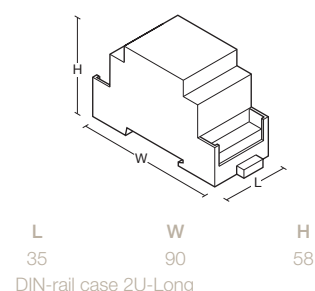
COMDPSU



Connections



Dimensions



command elite COMDSIU

DALI switch input unit

Switch Input Unit is designed to allow customer specified switches, sensors, time clocks or other on/off control devices to be incorporated into a Whitecroft DALI lighting control system. The Switch input Unit is suitable for inclusion into all standard size back boxes together with a suitable mains rated switch.

- Touch dimming with a momentary push switch
- Can be used with momentary or latching switches
- DALI power consumption 10mA

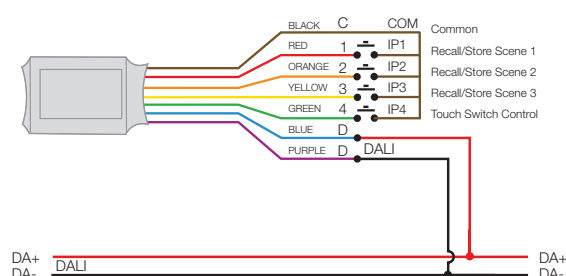


Order Codes

DALI Switch Input Unit
DALI Switch Input Unit

COMDSIU

Connections



The DALI addressable hub can be used in isolation to provide simple control to a localised application such as a classroom or office area. It has the added flexibility of being able to control multiple rooms up to the maximum addresses as detailed below.

- Low profile housing, perimeter mounted connector for mounting in limited void space
- Integrated mounting detail for surface, rod or trunking fixing
- Output connections
 - 4 x 6 pole lighting outputs rated at 6A (16A total maximum load)
- Injection moulded flame retardant housing with mains entry cover and cable retainer
- Integrated DALI power supply

System Guidelines

- Up to 63 addresses per hub (each ballast, detector or switch constitutes 1 address)
- Maximum 300m cable run and 250mA power consumption (typical 2mA per ballast)
- Up to 6A load on each of 4 socket outlets (16A total maximum load)

Simple Wiring

- Enhanced connectivity with CFL wiring components
- Switches and detectors can also be connected with CFL cables

Software Configuration

- Post installation software interface can be used to define dimming zones for daylight harvesting or switching zones

Scene Setting

- Touch button panels can be programmed to control a variety of different scenes by individually addressing each luminaire within the space
- Simple corridor linkage can be programmed so the luminaires stay on at a defined level whilst adjoining areas are occupied
- Multiple lighting levels can be selected from the switch panel
- Switching in 'X' direction and daylight control in 'Y' direction is possible

Order Codes

DALI Hub

DALI Addressable Hub

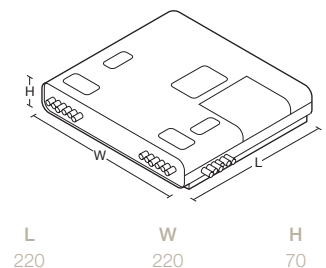
CFLDALIHUB

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.



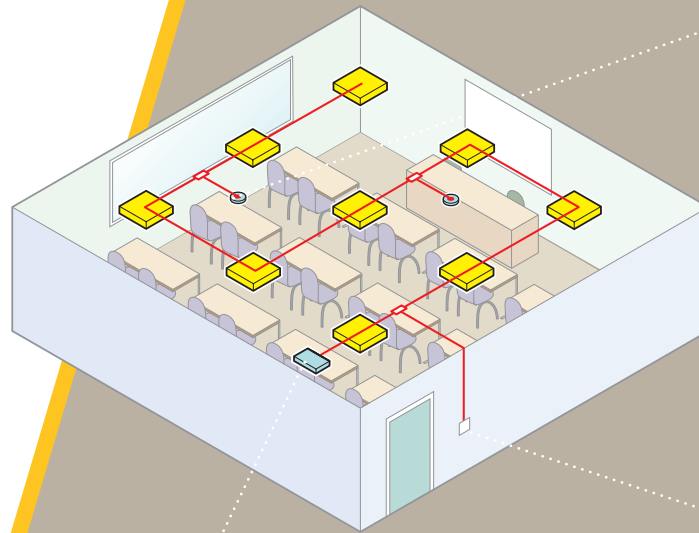
Dimensions



To Specify

DALI Hub with integrated power supply for connection of up to 63 luminaires via 4 separate GST18/6 outputs – as Whitecroft Lighting CFLDALIHUB

Typical single classroom configuration



COMDRD/CFL3P

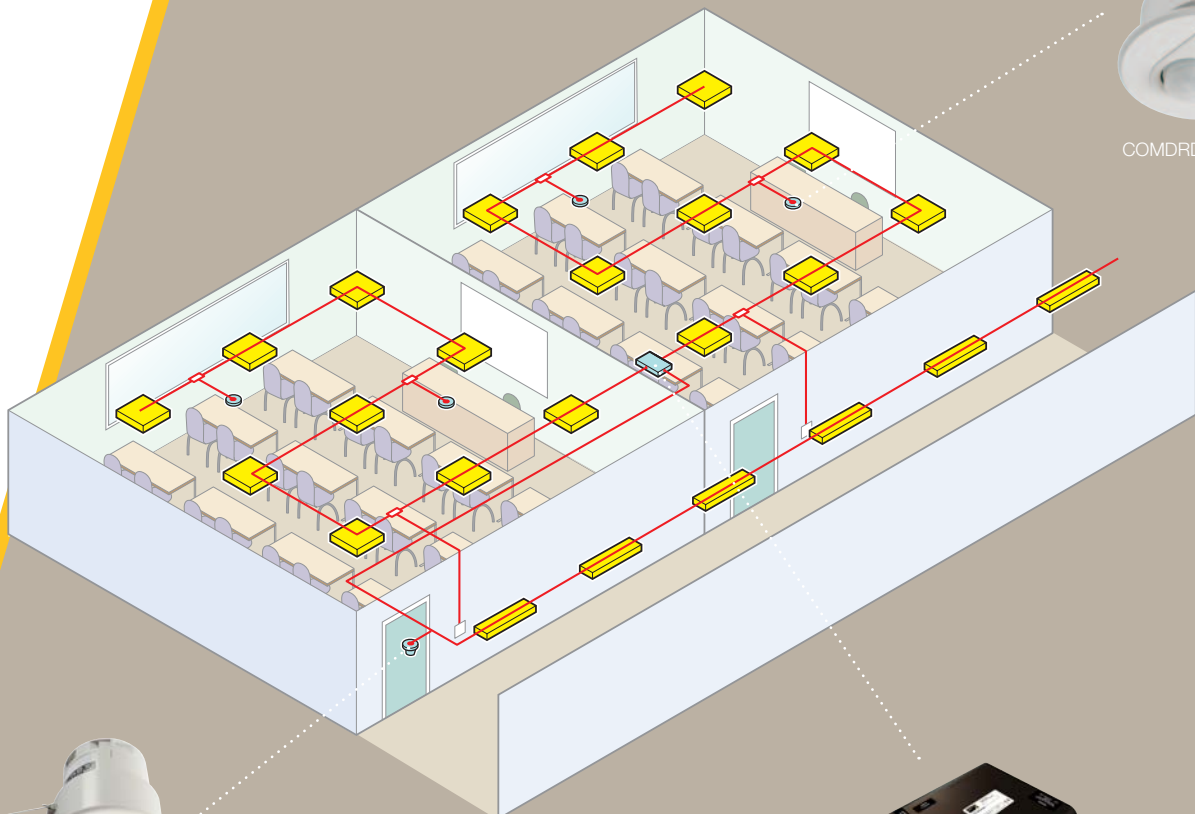


COMDS2W



CFLDALIHUB

Typical multi classroom configuration



COMDRD/CFL3P



COMDRE/CFL3P



CFLDALIHUB

To further expand the flexibility of a DALI lighting control system, a 2 channel router is available. This gives the opportunity to address up to 128 devices up to 500mA maximum from one router and is scalable to meet the needs of the largest installation as multiple routers can be networked.

128 Addresses

- The DALI Router can address up to 64 devices or up to 250mA maximum on each of 2 channels, giving a wider range than an individual hub

Scalable

- DALI Routers can be linked together by Ethernet cable
- There is no limit to the number of routers used in a single installation, making the system infinitely scalable
- Each router can be assigned an IP address and can be linked into an existing ethernet network

Building –wide Flexibility

- Each room can be configured independently for the requirements of the space, from simple PIR functionality for storage areas to complex scene-setting for meeting areas.
- Daylight harvesting can reduce energy consumption in open plan or cellular office environments
- Programming can be from a single point with PC-based software configuration. This can even be achieved remotely

Order Codes

DALI Router

DALI Router

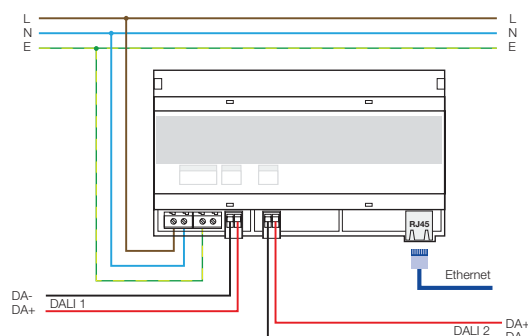
COMD2CR

Interface

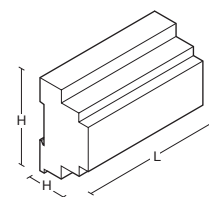
To enable complete control of your Command Elite lighting control system, Whitecroft have developed an on-line electronic interface allowing complete control and reporting from a remote location. This secure system allows you to interrogate and report on individual or groups of luminaires, or indeed any DALI component. Live energy monitoring enables the user to compare instant energy usage with recorded trends, ensuring the most efficient lighting set-up is maintained. Emergency testing can be scheduled and reported automatically, ensuring uninterrupted building use when using DALI emergency luminaires.



Connections



Dimensions



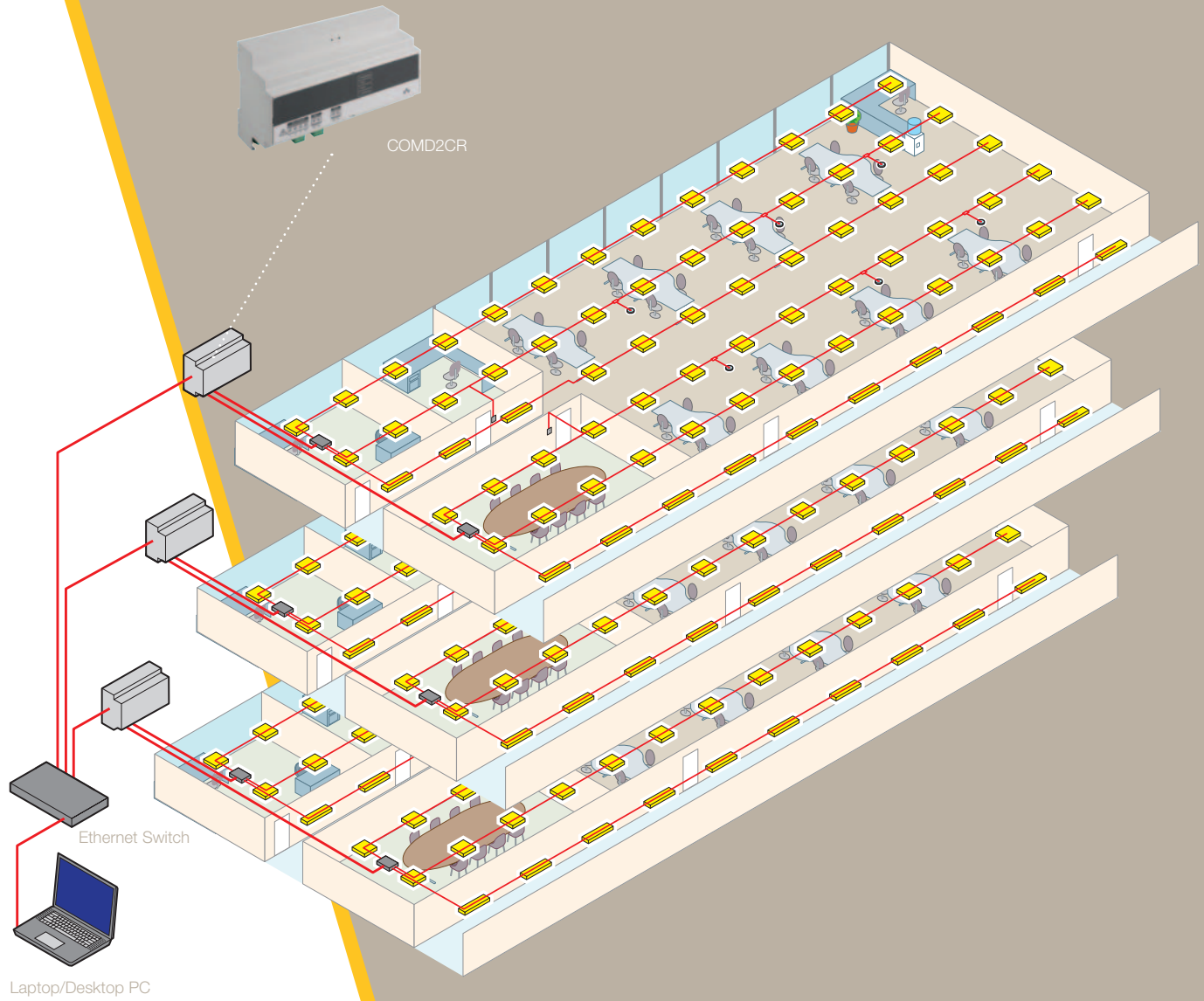
L	W	H
158	58	90

DIN-rail case 9U-long

To Specify

DALI Router with 2 off 250mA channels. Din rail mounting and ethernet port for networking – as Whitecroft Lighting COMD2CR

Typical multi floor and room configuration



Modular switch panels are a fully DALI compatible range of user interfaces that allow basic adjustments to the system as well as scene setting.

- Indicator LED and an infrared receiver
- Out of box operation
- Designed to fit both DIN and UK standard back boxes
- DALI power consumption 10mA

Order Codes

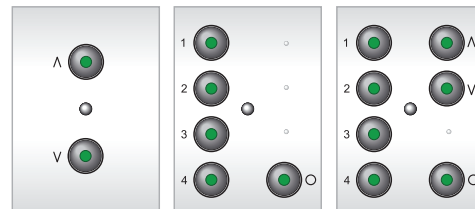
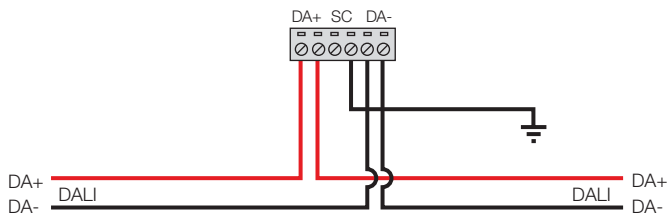
Modular Switch Panels

2 Button – On/Off, Raise/Lower – White	COMDS2W
5 Button – On/Off, 4 Scenes – White	COMDS5W
7 Button – On/Off, Raise/Lower, 4 Scenes – White	COMDS7W
2 Button – On/Off, Raise/Lower – Brushed Stainless Steel	COMDS2S
5 Button – On/Off, 4 Scenes – Brushed Stainless Steel	COMDS5S
7 Button – On/Off, Raise/Lower, 4 Scenes – Brushed Stainless Steel	COMDS7S



COMDS2W White/Brushed Stainless Steel

Connections



Standard Modules

The Infrared remote is a handheld unit that can be used to control basic system functions such as on/off, raising and lowering the general light level and the selection of four scenes.

- On/Off button
- Raise/Lower buttons
- Four scene recall buttons

Order Codes

Handheld Controller

DALI handheld Controller	COMDSSC
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The TouchPanel is a 3.5" touch sensitive 65,000 colour LCD screen that can be used for controlling a Command Elite control system.

- Built-in astronomic real time clock
- Automatic scene changing (Sequences and cycles)
- Integral infrared receiver
- Customisable graphics and user language selection
- Requires double gang UK back box

Order Codes

LCD Touch Screen

LCD Touch Screen – White

COMDTW

LCD Touch Screen – Brushed Stainless Steel

COMDTS

Options

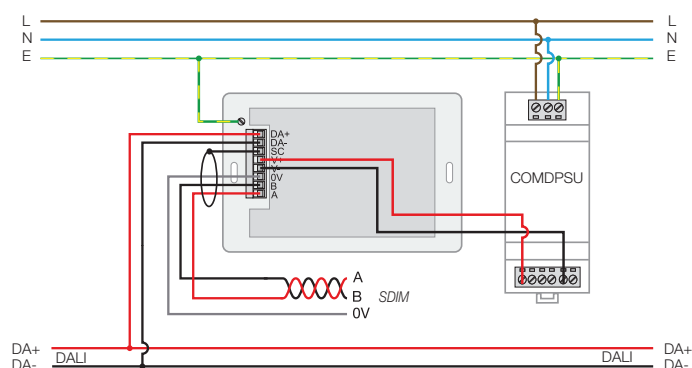
DALI Power Supply

COMDPSU

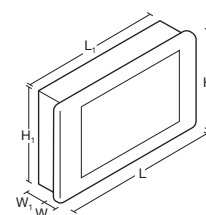
Note – The touch screen needs its own dedicated power supply unit.
Please add COMDPSU for each unit.



Connections



Dimensions



L	W	H	L ₁	W ₁	H ₁
146	6	88	113	29	64

*Requires Double Gang UK back box
(provided in the package)