



# CONTROL GEAR

## **CASAMBI**

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## Trailing-edge Phase Control Dimmer Casambi Controller

Bluetooth controllable, Casambi enabled trailing-edge dimmer for incandescent lamps, dimmable LED lamps and dimmable LED control gear.

INPUT VOLTAGE	85-240V~50/60Hz
MAX OUTPUT CURRENT	0.43A
MAX OUTPUT POWER	100W @ 230V AC
AMBIENT TEMP	-20.. +45°C
DIMENSIONS	L40.4 x W36.2 x H14mm



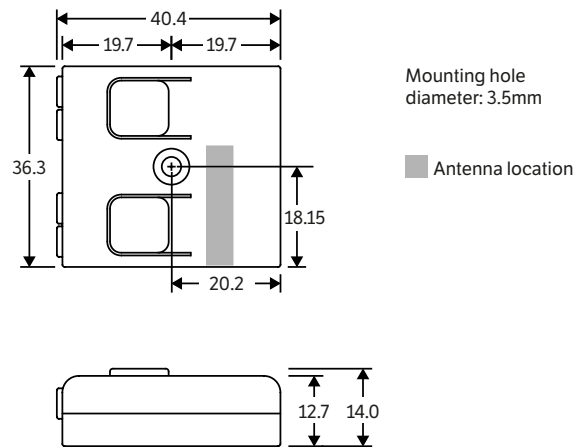
### ORDER CODE

DESCRIPTION	CODE
240V Trailing-edge Phase Control dimmer CBU	CAS-CBU-TED

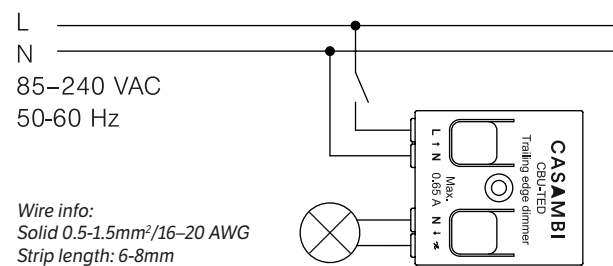
### COMPATIBLE WITH

DESCRIPTION
Casambi Series controllers and LED Lighting. Can be controlled with Casambi app, as well as with traditional wall switches.

### DIMENSIONS



### WIRING DIAGRAM



Not for individual sale, CAS-CBU-TED is sold for use with Halcyon control gear and luminaires.



casambi.com

## 12-24V Constant Voltage

### Casambi 4 Channel Controller

Bluetooth controllable, four channel PWM Controller for Constant Voltage LED loads, such as Halcyon LED tape and 12-24V Exterior products.

INPUT VOLTAGE	12-24V DC
MAX OUTPUT CURRENT	6A
MAX OUTPUT POWER	144W @ 24VDC, 72W @ 12VDC
AMBIENT TEMP	-20.. +45°C
DIMENSIONS	L72.6 x W30.0 x H18mm



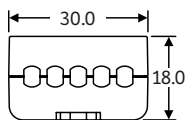
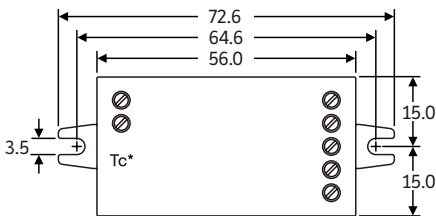
#### ORDER CODE

DESCRIPTION	CODE
12-24V Single, Dual, RGB, RGBW Controller	CAS-CBU-PWM4

#### COMPATIBLE WITH

DESCRIPTION
12-24V control gear. Can be controlled with Casambi app.

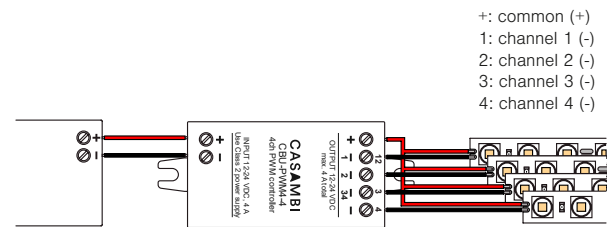
#### DIMENSIONS



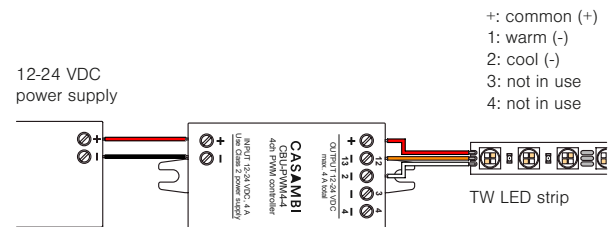
Wire info:  
Solid and stranded:  
0.75-1.5mm<sup>2</sup>/14-22AWG  
Strip length: 6-7mm  
Tightening force: 0.4Nm

#### WIRING DIAGRAM

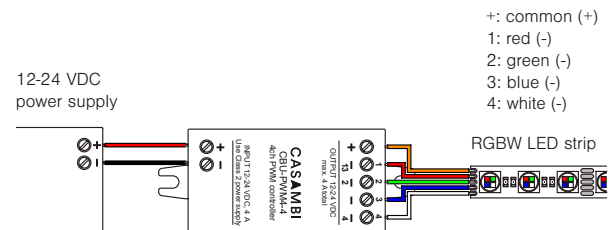
##### Single Channel eg. 1-4 Separate Channels LED Tape



##### Two Channel eg. Tunable White Colour LED Tape



##### Four Channel eg. RGB+W Colour LED Tape



Not for individual sale, CAS-CBU-PWM4 is sold for use with Halcyon control gear and luminaires.



casambi.com

## Dali / 0-10V / 1-10V Casambi Controller

Wireless control unit for any type of drivers with 0-10V, 1-10V or DALI dimming interface

INPUT VOLTAGE	220-240V
AMBIENT TEMP	-20.. +50°C
DIMENSIONS	L56.5 x W35.8 x H22.3mm



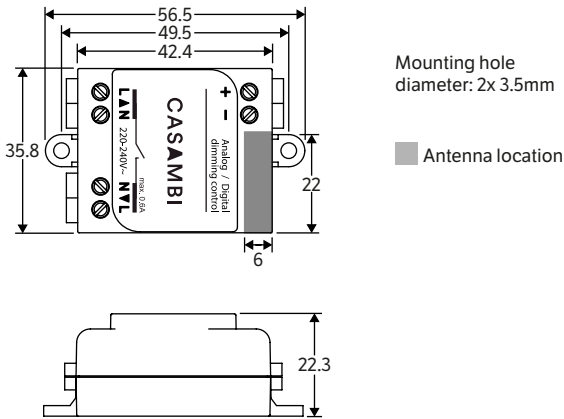
### ORDER CODE

DESCRIPTION	CODE
240V Dali / 0-10V / 1-10V	CAS-CBU-ASD

### COMPATIBLE WITH

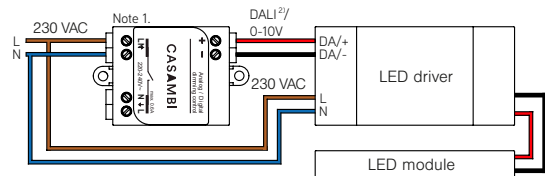
DESCRIPTION
Drivers with 0-10V, 1-10V or DALI dimming interface. Controlled wirelessly with Casambi app.

### DIMENSIONS

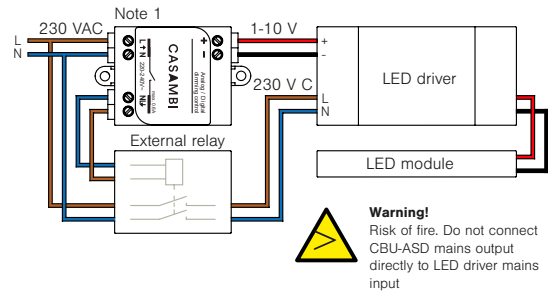


### WIRING DIAGRAM

Directly powered DALI or 0-10V drivers. Suitable for drivers that can be switched off via control interface.



0-10V drivers powered through external relay. Suitable for drivers that cannot be switched off via control interface.



With Standalone DALI output, CAS-CBU-ASD acts both as a controller and as a power supply making it possible to connect directly to an LED driver with DALI interface without the need for an external DALI power supply. The module can be used only in a closed system, i.e. as a part of a lighting system which is not connected to an external DALI network.

Not for individual sale, CAS-CBU-ASD is sold for use with Halcyon control gear and luminaires.



casambi.com

240V

## Casambi Mini Sensor

Motion and daylight sensor for activating custom scenes set within the Casambi app. Connects to network via bluetooth mesh, easily programmed for wireless control of any luminaire within a Casambi network.



### SPECIFICATIONS

<b>INPUT</b>	220–240 VAC, 50/60 Hz
<b>NETWORK</b>	Bluetooth Mesh Technology (Casambi)
<b>DIMENSIONS</b>	Ø 38mm x 48mm
<b>DETECTION ZONE</b>	5-7m
<b>SENSOR ANGLE</b>	100°
<b>SENSOR SWITCH-ON TIMES</b>	adjustable via app, up to 60 min.
<b>SENSOR PHOTOSENSITIVITY</b>	adjustable via app, up to 1000 Lux
<b>PROTECTION CLASS</b>	IP44
<b>CUT OUT</b>	Ø 25mm
<b>COLOUR</b>	White or Black

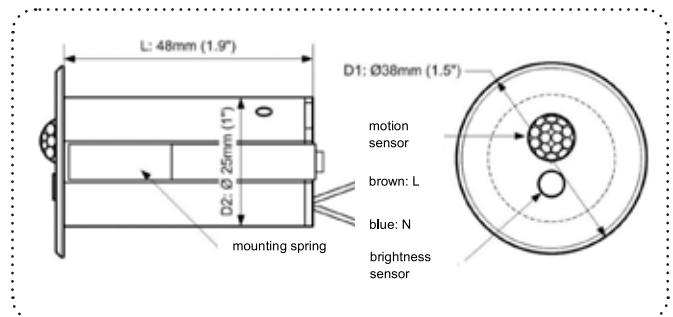
### ORDER CODE

DESCRIPTION	CODE
Casambi Mini Sensor White	CAS-SM-240VW
Casambi Mini Sensor Black	CAS-SM-240VB

### COMPATIBLE WITH

DESCRIPTION
Compatible with all Casambi enabled product. Configured via the Casambi app.

### DIMENSIONS



## Casambi Wall Switch

EnOcean Multi-function surface mount switch for Casambi network. Powered by Kinetic energy, no battery, no power and can be positioned anywhere within bluetooth mesh network.



### SPECIFICATIONS

<b>POWER</b>	<i>Battery-free / wireless power supply (Powered by electrodynamic conversion of kinetic energy as switch is pressed)</i>
<b>PAIRING</b>	<i>Pairs via NFC to Android or Apple device using Casambi app</i>
<b>CHANNELS</b>	<i>2 or 4, assign custom functions in Casambi app</i>
<b>INSTALLATION</b>	<i>Surface Mount</i>
<b>DIMENSIONS</b>	<i>L85 x W85 x D15mm</i>

### ORDER CODE

DESCRIPTION	CODE
1 Way Rocker 2 Channel - Blank/White	CAS-SW-1W2CBW
1 Way Rocker 2 Channel - Blank/Black	CAS-SW-1W2CBB
2 Way Rocker 4 Channel - Blank/White	CAS-SW-2W4CBW
2 Way Rocker 4 Channel - Blank/Black	CAS-SW-2W4CBB

### COMPATIBLE WITH

DESCRIPTION
Compatible with all Casambi enabled product. Configured via the Casambi app.

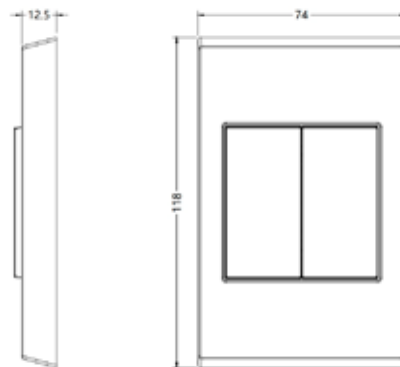
## Switcharoo

Halcyon retrofit Casambi switchgear, fits over existing flush boxes and can be surface mounted in new locations. Designed for both retrofit and new installations. Integrated EnOcean Multi-function switch. Powered by Kinetic energy, no battery, no power and can be positioned anywhere within bluetooth mesh network



### SPECIFICATIONS

<b>POWER</b>	Battery-free / wireless power supply (Powered by electrodynamic conversion of kinetic energy as switch is pressed)
<b>PAIRING</b>	Pairs via NFC to Android or Apple device using Casambi app
<b>CHANNELS</b>	2 or 4, assign custom functions in Casambi app
<b>INSTALLATION</b>	Surface Mount or Retrofit to existing NZ/AU flush boxes
<b>DIMENSIONS</b>	L118 x W74 x D12.5mm



### ORDER CODE

DESCRIPTION	CODE
1 Way Rocker 2 Channel - Blank/White	CAS-RSW-1W2CBW
1 Way Rocker 2 Channel - Blank/Black	CAS-RSW-1W2CBB
2 Way Rocker 4 Channel - Blank/White	CAS-RSW-2W4CBW
2 Way Rocker 4 Channel - Blank/Black	CAS-RSW-2W4CBB

### COMPATIBLE WITH

DESCRIPTION
Compatible with all Casambi enabled product. Configured via the Casambi app.



## Casambi Xpress Switch

Multi-function Bluetooth switch. Suitable for Single Colour, Tunable White, RGB or RGBW.

**POWER SUPPLY** CR2430 Lithium coin cell battery (included)

**TECHNOLOGY** Bluetooth Low Energy

**RANGE** Up to 50m (open air)

**FINISH** Black or White

**DIMENSIONS** L90 x W90 x H12mm



Wireless controllers for use with Casambi

### AVAILABLE IN

DESCRIPTION	CODE
Casambi Xpress Switch Black	CAS-XPRESS-B
Casambi Xpress Switch White	CAS-XPRESS-W

### COMPATIBLE WITH

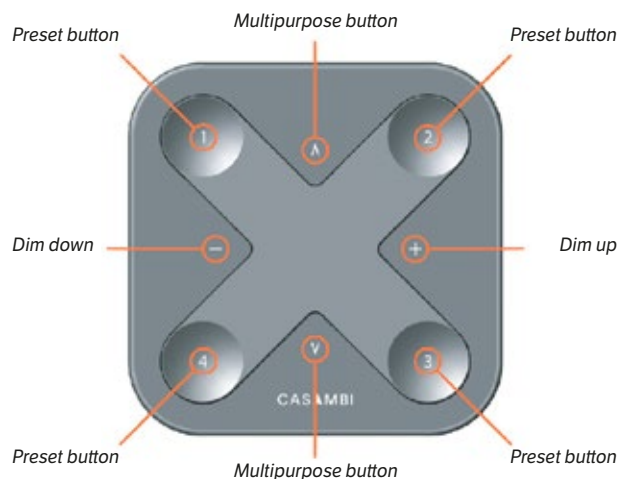
DESCRIPTION
Casambi Series controllers and LED Lighting. Can be configured via the Casambi app.



#### Wall Controls

Xpress is equipped with magnets for easy attachment to a mounting bracket. The mounting bracket is included.

### REMOTE FUNCTIONS



The Preset buttons of Xpress can be configured via the Casambi app. A light indicates the selected preset.

#### Dim Up, Dim Down

Smooth dimming of last chosen preset

#### Multipurpose Buttons

Change of colour temperature in steps of 25 Kelvin  
Change of the indirect/direct ratio

#### Preset Buttons

Individual luminaire control  
Group control  
Control of all lamps  
Recall scenes  
Recall animations

Not for individual sale, CAS-XPRESS is sold for use with Halcyon control gear and luminaires.



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Photo courtesy of The Lindis Group and  
Shaun Jeffers Photography.

## Constant Current Bluetooth Dimmable <12W

- Independent dimmable constant current LED Driver
- Analogue flicker-free
- Dimming range: 2...100%
- Configurable constant current output via dip-switch
- Open circuit, short circuit, over load and over temperature protection
- Suitable for use in emergency lighting systems
- Protection class II
- THD (full load) ≤ 15%
- Operating ambient temp -20...+45°C



### Standard (Single channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS12 150500</b>	150mA	1.5-7.5W	220-240V~ 50/60Hz	10-50V	0.80C	L119 x W52 x H22.5mm	IP20	□
>	180mA	1.8-9W		10-50V	0.90C			
>	230mA	2.3-11.5W		10-50V	≥0.95			
>	260mA	2.6-12W		10-46V	≥0.95			
>	300mA	3-12W		10-42V	≥0.95			
>	350mA	3.5-12W		10-34V	≥0.95			
>	400mA	4-12W		10-30V	≥0.95			
>	450mA	4.5-12W		10-27V	≥0.95			
>	500mA	5-12W		10-24V	≥0.95			

### Tunable White 2700-6500K (2 channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS12 150500TW</b>	150mA	1.5-7.5W	220-240V~ 50/60Hz	10-50V	0.80C	L119 x W52 x H22.5mm	IP20	□
>	180mA	1.8-9W		10-50V	0.90C			
>	230mA	2.3-11.5W		10-50V	≥0.95			
>	260mA	2.6-12W		10-46V	≥0.95			
>	300mA	3-12W		10-42V	≥0.95			
>	350mA	3.5-12W		10-34V	≥0.95			
>	400mA	4-12W		10-30V	≥0.95			
>	450mA	4.5-12W		10-27V	≥0.95			
>	500mA	5-12W		10-24V	≥0.95			

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm²) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

## Constant Current Bluetooth Dimmable <25W

- Independent dimmable constant current LED Driver
- Analogue flicker-free
- Dimming range: 2...100%
- Configurable constant current output via dip-switch
- Open circuit, short circuit, over load and over temperature protection
- Suitable for use in emergency lighting systems
- Protection class II
- THD (full load) ≤ 15%
- Operating ambient temp -20...+45°C



**Casambi**  
Scan QR code or visit [casambi.com](http://casambi.com) for more details.

### Standard (Single channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS25 260700</b>	260mA	2.6-13W	220-240V~ 50/60Hz	10-50V	0.80C	L124 x W64 x H22.5mm	IP20	□
>	350mA	3.5-17.5W		10-50V	≥0.95			
>	400mA	4-20W		10-50V	≥0.95			
>	450mA	4.5-22.5W		10-50V	≥0.95			
>	500mA	5-25W		10-50V	≥0.95			
>	550mA	5.5-25W		10-45V	≥0.95			
>	600mA	6-25W		10-42V	≥0.95			
>	700mA	7-25W		10-36V	≥0.95			

### Tunable White 2700-6500K (2 channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS25 260700TW</b>	260mA	2.6-13W	220-240V~ 50/60Hz	10-50V	0.80C	L124 x W64 x H22.5mm	IP20	□
>	350mA	3.5-17.5W		10-50V	≥0.95			
>	400mA	4-20W		10-50V	≥0.95			
>	450mA	4.5-22.5W		10-50V	≥0.95			
>	500mA	5-25W		10-50V	≥0.95			
>	550mA	5.5-25W		10-45V	≥0.95			
>	600mA	6-25W		10-42V	≥0.95			
>	700mA	7-25W		10-36V	≥0.95			

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm²) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm



## Constant Current Bluetooth Dimmable <45W

- Independent dimmable constant current LED Driver
- Analogue flicker-free
- Dimming range: 2...100%
- Configurable constant current output via dip-switch
- Open circuit, short circuit, over load and over temperature protection
- Suitable for use in emergency lighting systems
- Protection class II
- Operating ambient temp -20...+45°C



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visit [casambi.com](http://casambi.com)  
for more details.

### Standard (Single channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS45 3501050</b>	350mA	3.5-17.5W	220-240V~ 50/60Hz	10-50V	≥0.80C	L320 x W35 x H24mm	IP20	□
>	500mA	5-25W		10-50V	≥0.90C			
>	600mA	6-30W		10-50V	≥0.95			
>	700mA	7-35W		10-50V	≥0.95			
>	800mA	8-40W		10-50V	≥0.95			
>	900mA	9-45W		10-50V	≥0.95			
>	1050mA	10.5-45W		10-43V	≥0.95			

### Tunable White 2700-6500K (2 channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS45 3501050TW</b>	350mA	3.5-17.5W	220-240V~ 50/60Hz	10-50V	≥0.80C	L320 x W35 x H24mm	IP20	□
>	500mA	5-25W		10-50V	≥0.90C			
>	600mA	6-30W		10-50V	≥0.95			
>	700mA	7-35W		10-50V	≥0.95			
>	800mA	8-40W		10-50V	≥0.95			
>	900mA	9-45W		10-50V	≥0.95			
>	1050mA	10.5-45W		10-43V	≥0.95			

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm²) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

## Constant Current Bluetooth Dimmable <60W

- Independent dimmable constant current LED Driver
- Analogue flicker-free
- Dimming range: 2...100%
- Configurable constant current output via dip-switch
- Open circuit, short circuit, over load and over temperature protection
- Suitable for use in emergency lighting systems
- Protection class II
- THD (full load) ≤ 15%
- Operating ambient temp -20...+50°C



**Casambi**  
Scan QR code or visit [casambi.com](http://casambi.com) for more details.

### Standard (Single channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS60 6001200</b>	600mA	6-30W	220-240V~ 50/60Hz	10-50V	≥0.95	L159 x W79 x H30mm	IP20	□
>	700mA	7-35W						
>	800mA	8-40W						
>	850mA	8.5-42.5W						
>	900mA	9-45W						
>	1000mA	10-50W						
>	1050mA	10.5-52.5W						
>	1200mA	12-60W						

### Tunable White 2700-6500K (2 channel)

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>CAS60 6001200TW</b>	600mA	6-30W	220-240V~ 50/60Hz	10-50V	≥0.95	L159 x W79 x H30mm	IP20	□
>	700mA	7-35W						
>	800mA	8-40W						
>	850mA	8.5-42.5W						
>	900mA	9-45W						
>	1000mA	10-50W						
>	1050mA	10.5-52.5W						
>	1200mA	12-60W						

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm²) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

## Constant Current Mini Non-Dimmable <12W

350-700mA  
**CC**

Non  
**dim**

- Universal AC input
- Constant current [series circuit]
- Operating temp range -20.. +50°C
- SELV equivalent
- Overload / short circuit protection
- Overheat protection
- Safe no load operation
- Self extinguishing plastic housing
- 5 year warranty



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRMACC500 12W</b>	500mA	4-12W	100-240V ~ 50/60Hz	8-24V DC	0.95	L50 x W48 x H24mm	IP65	□
<b>DRMACC700 4W</b>	700mA	1-4W		2-6V DC	0.40C	L38 x W27 x H21mm		
<b>DRMACC700 12W</b>	700mA	4-12W		6-17V DC	0.95	L50 x W48 x H24mm		

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

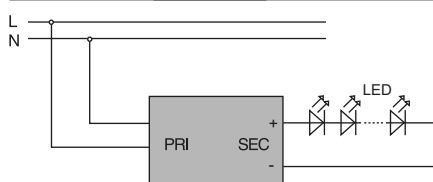
### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

### WIRING DIAGRAM



# Constant Current Mini Non-Dimmable <12W

350-700mA  
**CC**

Non  
**dim**

- Analogue flicker-free
- Constant current [series circuit]
- Operating temp range -20.. +50°C
- SELV equivalent
- Overload / short circuit protection
- Overheat protection
- Safe no load operation
- Self extinguishing plastic housing
- 5 year warranty



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DM350-4W	350mA	1-4W	100-240V~ 50/60Hz	3-12V DC	≥0.40C	L38 x W27 x H21mm	IP65	□
DM350-12W	350mA	6-12W	220-240V~ 50/60Hz	17-34V DC	0.90C	L50 x W48 x H24mm		
DM500-4W	500mA	1-4W	100-240V~ 50/60Hz	2-8V DC	≥0.40C	L38 x W27 x H21mm		
DM700-4W	700mA	1.4 -4W	100-240V~ 50/60Hz	2-6V DC	≥0.40C	L38 x W27 x H21mm		
DCC700-M-12W-IP	700mA	6-12W	220-240V~ 50/60Hz	8-17V DC	0.90C	L50 x W48 x H24mm		

## ACCESSORY

CODE	DESCRIPTION	DIMENSIONS [mm]
GL240	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

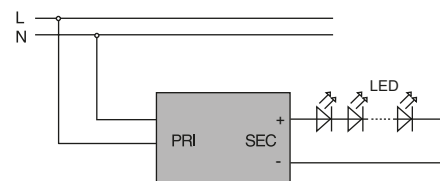
## IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

## WIRING DIAGRAM



**Constant Current**  
**Non-Dimmable**  
**<60W**

350-1400mA  
**CC**      **Non dim**

- Constant Current [Series Circuit]
- Operating temp range -20.. +50°C
- SELV Equivalent
- Overload / Short Circuit Protection
- Overheat protection
- Self extinguishing Plastic housing
- Safe no load operation
- 5 Year Warranty

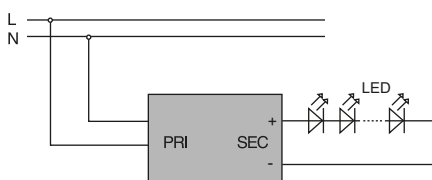


CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRACC350 6W</b>	350mA	3-6W	220-240V ~ 50/60Hz	9-18V	0.55C	L81 x W39 x H22MM	IP20	□
<b>DRACC350 12W</b>	350mA	1-12W		2-34V	0.80C	L98 x W39 x H22MM		
<b>DRACC350 20W</b>	350mA	1-20W		2-58V	0.80C	L113 x W44 x H28MM		
<b>DRACC350 40W</b>	350mA	14-40W		40-114V	0.95	L142 x W50 x H24mm		
<b>DRACC500 20W</b>	500mA	1-20W		2-40V	0.80C	L113 x W44 x H28mm		
<b>DRACC700 12W</b>	700mA	1.5-12W		2-17V	0.80C	L98 x W39 x H22mm		
<b>DRACC700 21W</b>	700mA	1.5-21W		2-29V	0.80C	L113 x W44 x H28mm		
<b>DRACC700 40W</b>	700mA	20-40W		29-57V	0.95	L127 x W43 x H28mm		
<b>DRTRCC900 42W</b>	900mA	20-42W		23-46.5V	0.98	L160 x W83 x H35mm		
<b>D1400 60WPK</b>	1050mA	45W	220-240V ~ 50/60Hz	30-43V	≥0.95	L320 x W35 x H23mm	IP20	□
>	1200mA	52W						
>	1300mA	56W						
>	1400mA	60W						

**IMPORTANT**

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring. Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure. Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

**WIRING DIAGRAM**





**Constant Current**  
**Non-Dimmable**  
**<60W**

1050-1400mA  
**CC**      Non  
**dim**

- Adjustable output 1050-1400mA
- Flicker Free
- Short circuit, over load, no load protection
- THD full load  $\leq 15\%$
- Operating Ambient Temperature -20 ... + 50°
- Prewired with 2 pin plug



CODE	OUTPUT CURRENT [mA]	MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>D1400 60WPK</b>	1050mA	45W	220-240V ~ 50/60Hz	30-43V	≥0.95	L320 x W35 x H23mm	IP20	□
>	1200mA	52W						
>	1300mA	56W						
>	1400mA	60W						

**IMPORTANT**

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

## Constant Current Mini Primary Dimmable <12W

350-700mA

CC

Primary


dim

- Leading / Trailing edge dimmable
- 1 - 100% dimming range (with appropriate dimmer)
- Constant current [series circuit]
- Operating temp range -20.. +50°C
- SELV equivalent
- Overload / short circuit protection
- Overheat protection
- Safe no load operation
- Self extinguishing plastic housing
- 5 Year Warranty



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DRDMACC700 4W	700mA	2-4W	220-240V~ 50/60Hz	3-6V DC	0.90C	L38 x W27 x H21mm	IP65	□

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	GL240	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

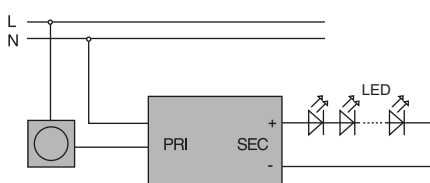
### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

### WIRING DIAGRAM



## Constant Current Mini Primary Dimmable <10W

350-700mA  
**CC**


Primary  
**dim**

- Trailing edge dimmable
- Analogue flicker-free
- 10-100% dimming range (with appropriate dimmer)
- Constant current [series circuit]
- Operating temp range -20.. +60°C
- SELV equivalent
- Overload / short circuit protection
- Overheat protection
- Safe no load operation
- Self extinguishing Plastic housing
- Protection Class II
- 5 Year Warranty



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DMD350-4W	350mA	2-4W	220-240V~ 50/60Hz	6-12V DC	0.90C	L48 x W30 x H20mm	IP65	□
DMD350-10W	350mA	5-10W		14-29V DC		L58 x W36 x H20mm		
DMD700-4W	700mA	2-4W		2.5-6V DC		L48 x W30 x H20mm		
DMD700-10W	700mA	5-10W		7-15V DC		L58 x W36 x H20mm		

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	GL240	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

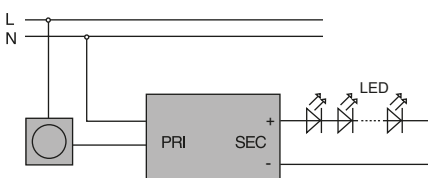
### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

### WIRING DIAGRAM



## Constant Current DX Primary Dimmable <30W

- Multi-stage Digital Dimming technology for dimming extremely smoothly to less than 1% with approved Leading / Trailing Edge dimmers
- Leak / Induced Current Filter <5mA for retrofit installations with poor wiring/insulation
- 3.75KVAC Surge Voltage Protection
- Suitable for installation under insulation
- Operating temp range -20.. +50°C
- Constant Current [Series Circuit]
- SELV Equivalent
- Overload, Short Circuit & Overheat Protection (auto-recovery if fault is removed)
- Self-extinguishing Plastic housing
- Safe no load operation
- 5 Year Warranty

180-700mA

CC

DX Series

dim



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DXDUACC180 9W</b>	180mA	4.5-9W	220-240V ~ 50/60Hz	25-50V	0.95	L120 x W45 x H28mm	IP20	□
<b>DXDUACC230 9W</b>	230mA	5-9W		20-40V	0.95	L120 x W45 x H28mm		
<b>DXDUACC260 6W</b>	260mA	3.1-6W		12-23V	0.95	L120 x W45 x H28mm		
<b>DXDUACC260 9W</b>	260mA	4.5-9W		17-35V	0.95	L120 x W45 x H28mm		
<b>DXDUACC260 12W</b>	260mA	6-12W		23-46V	0.95	L120 x W45 x H28mm		
<b>DXDUACC260 20W</b>	260mA	10-20W		38-77V	0.95	L120 x W45 x H28mm		
<b>DXDUACC350 6W</b>	350mA	3.5-6W		10-17V	0.95	L120 x W45 x H28mm		
<b>DXDUACC350 9W</b>	350mA	4.5-9W		13-26V	0.95	L120 x W45 x H28mm		
<b>DXDUACC350 12W</b>	350mA	6-12W		17-35V	0.95	L120 x W45 x H28mm		
<b>DXDUACC350 20W</b>	350mA	10-20W		28-57V	0.95	L120 x W45 x H28mm		
<b>DXDUACC350 28W</b>	350mA	14-28W		40-80V	0.95	L142 x W50 x H24mm		
<b>DXDUACC500 9W</b>	500mA	5-9W		10-18V	0.95	L120 x W45 x H28mm		
<b>DXDUACC500 12W</b>	500mA	6-12W		12-24V	0.95	L120 x W45 x H28mm		
<b>DXDUACC500 20W</b>	500mA	10-20W		20-40V	0.95	L120 x W45 x H28mm		
<b>DXDUACC500 30W</b>	500mA	15-30W		30-60V	≥0.95	L142 x W50 x H24mm		
<b>DXDUACC700 12W</b>	700mA	7-12W		10-17V	0.95	L120 x W45 x H28mm		
<b>DXDUACC700 20W</b>	700mA	10.5-20W		15-29V	0.95	L120 x W45 x H28mm		
<b>DXDUACC700 30W</b>	700mA	15-30W	21-43V	≥0.95	L142 x W50 x H24mm			

### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

## Constant Current DX Primary Dimmable Go Link <12W

260mA  
CC

Go Link  
dim

- Multi-stage Digital Dimming technology for dimming extremely smoothly to less than 1% with approved Leading / Trailing Edge dimmers
- Leak / Induced Current Filter <5mA for retrofit installations with poor wiring/insulation
- 3.75KVAC Surge Voltage Protection
- Suitable for installation under insulation
- Operating temp range -20.. +35°C
- Constant Current [Series Circuit]
- SELV Equivalent
- Overload, Short Circuit & Overheat Protection (auto-recovery if fault is removed)
- Self-extinguishing Plastic housing
- Safe no load operation
- 5 Year Warranty



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DCC260-DX-12W-GL	260mA	6-12W	220-240V ~ 50/60Hz	23-46V	0.95	L144 x W55 x H28mm	IP20	□

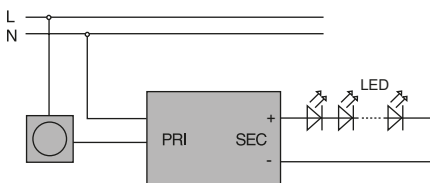
### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

### WIRING DIAGRAM







**Constant Current**  
**Primary Dimmable**  
**<50W**

350-1050mA  
**CC**      **Primary dim**

- Leading / Trailing Edge Dimmable
- Dimming range 1-100%
- Operating temp range -20.. +45°C
- Constant Current [Series Circuit]
- Flicker-free
- SELV Equivalent
- Overload / Short Circuit Protection
- Overheat protection
- Self extinguishing Plastic housing
- Safe no load operation
- 5 Year Warranty



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DCC350-D-37W	350mA	18.6-37W	220-240V ~50/60Hz	53-106V	0.95	L166 x W52 x H25mm	IP20	□
DCC700-D-40W	700mA	19.6-40W		28-56V				
DCC850-D-45W	850mA	23-45W		27-53V				
DCC1050-D-40W	1050mA	20-40W		19-38V				
DCC1050-D-45W	1050mA	23.1-45W		22-43V				
DCC1050-D-50W	1050mA	25.2-50W		24-48V				

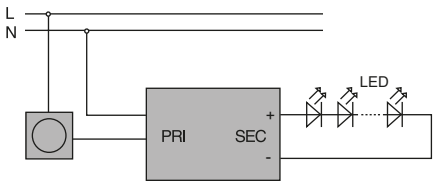
**IMPORTANT**

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

**WIRING DIAGRAM**



## Constant Current Dali Dimmable <12W

- Adjustable output current
- Dali Signal Dimmable 1-100%
- Switch Dim function
- Low ripple output current
- Suitable for use in emergency lighting systems
- Operating temp range -20.. +45°C
- THD <15% / ≤25% / ≤20%
- Constant Current [Series Circuit]
- Analogue flicker-free dimming
- Standby power ≤0.5W
- SELV Equivalent
- Open circuit / Overload / Short Circuit Protection
- Overheat protection
- Self-extinguishing Plastic housing
- 5 Year Warranty

150-700mA

CC

Dali

dim

For converting common Halcyon luminaires to Dali.



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRDDMACC 12W</b>	150mA	0.3-6.3W	220-240V~ 50/60Hz	2-42V	0.95	L132 x W30 x H20mm	IP20	□
>	200mA	0.4-8.4W		2-42V				
>	250mA	0.5-10.5W		2-42V				
>	300mA	0.6-12W		2-40V				
>	350mA	0.7-12W		2-34V				
>	500mA	1-12W		2-24V				
>	600mA	1.2-12W		2-20V				
>	700mA	1.4-12W		2-17V				

CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DCC180500-DD-1012W</b>	180mA	3.2-9.7W	220-240V~ 50/60Hz	18-54V	≥0.95	L119 x W52 x H22.5mm	IP20	□
>	230mA	3.4-12W		18-52V				
>	260mA	3.9-12W		15-46V				
>	300mA	4.5-12W		15-42V				
>	350mA	5.2-12W		15-34V				
>	400mA	6-12W		15-30V				
>	450mA	6.7-12W		15-27V				
>	500mA	7.5-12W		15-24V				

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm



## Constant Current Dali Dimmable <25W

- Adjustable output current
- Dali Signal Dimmable 1-100%
- Switch Dim function
- Low ripple output current
- Suitable for use in emergency lighting systems
- Operating temp range -20.. +50°C
- THD <15
- Constant Current [Series Circuit]
- Analogue flicker-free dimming
- Standby power ≤0.5W
- SELV Equivalent
- Open circuit / Overload / Short Circuit Protection
- Overheat protection
- Self-extinguishing Plastic housing
- 5 Year Warranty

260-700mA

CC

Dali

dim

For converting common  
Halcyon luminaires to Dali.



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRDDACC 16-25W</b>	260mA	5.2W-15.6W	220-240V~ 50/60Hz	20-60V	0.95	L119 x W52 x H22.5mm	IP20	□
>	350mA	7W-21W		20-60V				
>	400mA	8W-24W		20-60V				
>	450mA	9W-25W		20-55V				
>	500mA	10W-25W		20-50V				
>	550mA	11W-25W		20-45V				
>	600mA	12W-25W		20-42V				
>	700mA	14W-25W		20-36V				

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

## Constant Current Dali Dimmable <45W

1050-1600mA

CC

Dali

dim

- Configurable constant current output via dip-switch
- DALI-2 compliant LED driver
- Dimmable with DALI signal
- Open circuit, short circuit, over load protection
- Suitable for use in emergency lighting systems
- Power input on stand-by < 0.5W
- Dimming range 1 to 100%
- Switch-Dim function
- Analogue flicker-free dimming
- Operating Ambient Temperature -20 ... +50°C
- Protection Class II




CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DCC10501600-DD-45W</b>	1050mA	15-45W	220-240V ~ 50/60Hz	14-43V	≥0.95	L135 x W72 x H24mm	IP20	□
>	1150mA	16-45W		14-39V	≥0.95			
>	1200mA	17-45W		14-38V	≥0.95			
>	1300mA	18-45W		14-35V	≥0.95			
>	1400mA	20-45W		14-32V	≥0.95			
>	1500mA	21-45W		14-30V	≥0.95			
>	1600mA	22.5-45W		14-28V	≥0.95			

**DCC10501600-DD-45W-PL** Supplied pre-wired with 2 pin plug

**DCC10501600-DD-45W-PNL** Supplied pre-wired for panel (as pictured)

### ACCESSORY

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

### IMPORTANT

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

**Constant Current**  
**Dali Dimmable**  
**<75W**

1050-1600mA  
**CC** **Dali dim**

- Configurable constant current output via dip-switch
- DALI-2 compliant LED driver
- Dimmable with DALI signal
- Open circuit, short circuit, over load protection
- Suitable for use in emergency lighting systems
- Power input on stand-by < 0.5W
- Dimming range 1 to 100 %
- Switch-Dim function
- Analogue flicker-free dimming
- Ambient Temperature -20 ... + 40°C



CODE	OUTPUT CURRENT [mA]	MIN/MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DCC10501600-DD-75W</b>	1050mA	26-75W	220-240V ~ 50/60Hz	25-71V	0.95	L159 x W79 x H30mm	IP20	□
>	1150mA	29-75W		25-65V				
>	1200mA	30-75W		25-62V				
>	1300mA	32.5-75W		25-58V				
>	1400mA	35-75W		25-53V				
>	1500mA	37.5-75W		25-50V				
>	1600mA	37-75W		23-47V				

**DCC10501600-DD-75W-PL** Supplied pre-wired with 2 pin plug  
**DCC10501600-DD-75W-PNL** Supplied pre-wired for panel (as pictured)

**ACCESSORY**

	CODE	DESCRIPTION	DIMENSIONS [mm]
	<b>GL240</b>	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

**IMPORTANT**

Do not connect live. Connecting a series circuit to a live driver can permanently damage all luminaires on that circuit. If a series circuit is powered up and the connected luminaires do not work, do not fault find with live driver. Always turn off power supply first. (Correcting a loose connection with a live driver has same effect as live connection). Halcyon takes no responsibility for failures from incorrect wiring.

Constant current LED fittings must be wired in series ensuring correct polarity. Incorrect polarity / wiring will cause permanent LED and/or driver failure.

Pulsing/flashing lighting indicates wiring fault or under/overloaded driver power off immediately.

# Constant Voltage

## 12V / 24V Primary Dimmable

### <200W



For dimming Halcyon 24V LED Lighting using a leading / trailing edge dimmer.

- Leading/Trailing Edge Dimmable
- 1 - 100% Dimming Range
- Captured terminal screws
- Constant Voltage [Parallel Circuit]
- SELV Equivalent
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- 5 Year Warranty



CODE	OUTPUT CURRENT [A]	MIN - MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DRDACV12 25W	0.2 - 2.08A	2.5 - 25W	220-240V~ 50/60Hz	12V	0.95	L128 x W52 x H30mm	IP20	□
DRDACV24 25W	0.1 - 1.04A	2.5 - 25W		24V		L128 x W52 x H30mm		
DRDACV12 50W	1.0 - 4.16A	12 - 50W		12V		L184 x W61 X H32mm		
DRDACV24 50W	0.5 - 2.08A	12 - 50W		24V		L184 x W61 X H32mm		
DRDACV12 100W	2.7 - 8.3A	34 - 100W		12V		L210 x W67 x H34mm		
DRDACV24 100W	1.4 - 4.2A	34 - 100W		24V		L210 x W67 x H34mm		
DRDACV24 200W	2.7 - 8.3A	67 - 200W		24V		L249 x W72 x H40mm	IP67	⊕

DO NOT SWITCH SECONDARY FEED, DO NOT WIRE LED TO LIVE DRIVER, INSTALL ABOVE INSULATION.

### IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

### RECOMMENDED DIMMERS



**DIMPMPDL350**  
Halcyon Trailing Edge Push Mech 10-350W Dimmers

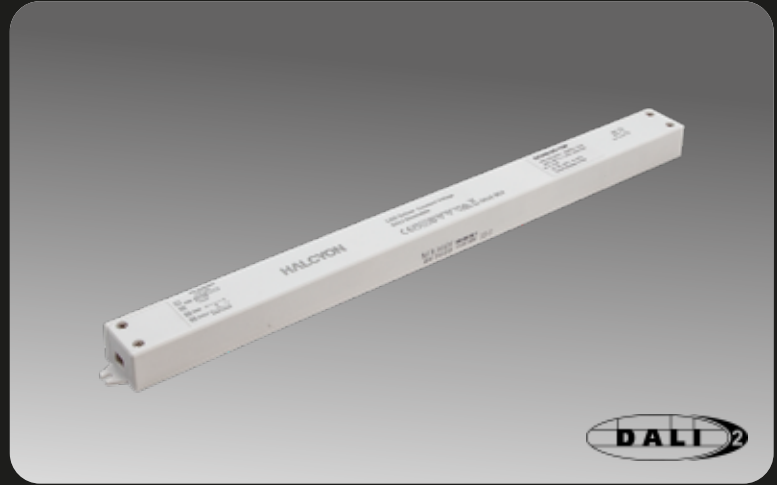


**DIMROCLI350**  
Halcyon Trailing Edge Rotational 10-350W Dimmers

# Constant Voltage 24V / 48V Dali Dimmable <240W



- Constant Voltage [Parallel Circuit]
- SELV Equivalent
- Ambient temp range -20.. +45°C
- Overload, open circuit, short circuit, overheat protection
- Flicker-free
- DALI-2 compliant
- Switch-Dim function
- Dimming range 0.1 to 100%
- Suitable for use in emergency lighting systems
- Push wire connections
- DC input compatible (176-280VDC)
- Power input on stand-by <0.5W
- Self extinguishing Plastic housing
- 5 Year Warranty



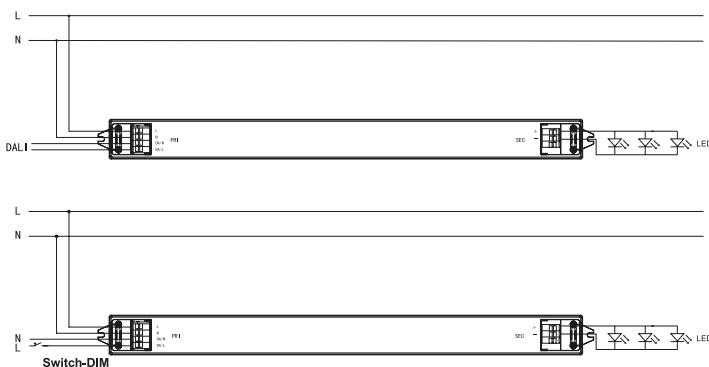
CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DCV24-DD-75W	0-3.125A	0-75W	220-240V~ 50/60Hz	24V	0.95	L400 x W32 x H21.6mm	IP20	□
DCV24-DD-240W	0-10A	0-240W		24V		L450 x W32 x H23mm		
DCV48-DD-75W	0-1.57A	0-75W		48V		L400 x W32 x H21.6mm		
DCV48-DD-240W	0-5A	0-240W		48V		L450 x W32 x H23mm		

## IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

## WIRING DIAGRAMS



# Constant Voltage Mini 12V / 24V Non-dimmable <12W




- Super compact design
- Pre wired primary and secondary sides
- Constant Voltage [Parallel Circuit]
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- Self extinguishing Plastic housing
- 5 Year Warranty



CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
DRMACV12 4W	0 - 0.33A	0-4W	100-240V~ 50/60Hz	12V	0.40C	L38 x W27 x H21mm	IP65	□
DRMACV12 12W	0 - 1.0A	0-12W	220-240V~ 50/60Hz	12V	0.90C	L50 x W48 x H24mm		
DRMACV24 4W	0 - 0.17A	0-4W	100-240V~ 50/60Hz	24V	0.40C	L38 x W27 x H21mm		
DRMACV24 12W	0 - 0.5A	0-12W	220-240V~ 50/60Hz	24V	0.90C	L50 x W48 x H24mm		

## ACCESSORY

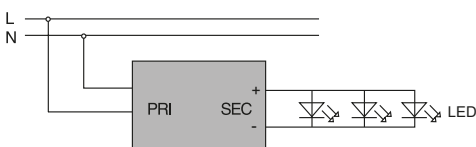
	CODE	DESCRIPTION	DIMENSIONS [mm]
	GL240	Loop-in / loop-out go-link mains adaptor. For use with compact and/or European style control gear with small mains terminals. Complete with 125mm (2x0.75mm <sup>2</sup> ) mains feed cable pre-wired, terminal block and cable clamp.	L84.2 x W41.6 x H24mm

## IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

## WIRING DIAGRAMS





**Constant Voltage**  
**12V Non-dimmable**  
**< 264W**



- Constant Voltage [Parallel Circuit]
- SELV Equivalent
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- 5 Year Warranty



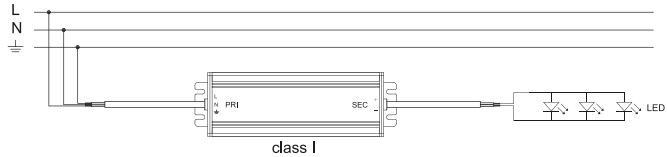
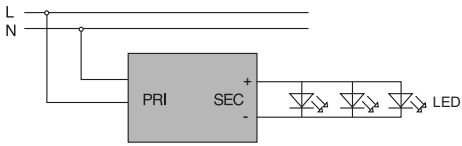
CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRACV12 20W</b>	0 - 1.7A	0-20W	220-240V~ 50/60Hz	12V	0.80C	L113 x W44 x H28mm	IP20	□
<b>DRACV12 40W</b>	0 - 3.3A	0-40W	220-240V~ 50/60Hz	12V	0.95	L166 x W52 x H24mm	IP20	□
<b>DRIPCV12 40W</b>	0 - 3.34A	0-40W	100-240V~ 50/60Hz	12V	0.95	L182 x W58 x H30.5mm	IP67	⊕
<b>DRACV12 50W</b>	0 - 4.2A	0-50W	100-240V~ 50/60Hz	12V	0.95	L184 x W61 x H32mm	IP20	□
<b>DRACV12 75W</b>	0 - 6.3A	0-75W	220-240V~ 50/60Hz	12V	0.95	L184 x W61 x H32mm	IP20	□
<b>DRIPCV12 75W</b>	0 - 6.25A	0-75W	100-240V~ 50/60Hz	12V	0.95	L199 x W67 x H35mm	IP67	⊕
<b>DCV12-150W-IP</b>	0 - 12.5A	0-150W	100-240V~ 50/60Hz	12V	0.95	L191 x W70 x H40mm	IP67	⊕
<b>DCV12-200W-IP</b>	0 - 16.67A	0-200W	100-240V~ 50/60Hz	12V	0.95	L249 x W72 x H40mm	IP67	⊕

**IMPORTANT**

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

**WIRING DIAGRAMS**



# Constant Voltage 24V Non-dimmable <320W



- Constant Voltage [Parallel Circuit]
- SELV Equivalent
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- 5 Year Warranty



CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRACV24 20W</b>	0 - 0.83A	0-20W	220-240V~ 50/60Hz	24V	0.80C	L113 x W44 x H28mm	IP20	□
<b>DRACV24 40W</b>	0 - 1.7A	0-40W	220-240V~ 50/60Hz	24V	0.95	L166 x W52 x H24mm	IP20	□
<b>DRIPCVP24 40W</b>	0 - 1.67A	0-40W	100-240V~ 50/60Hz	24V	0.95	L182 x W58 x H30.5mm	IP67	⊕
<b>DRACV24 50W</b>	0 - 2.0A	0-50W	100-240V~ 50/60Hz	24V	0.95	L184 x W61 x H32mm	IP20	□
<b>DRACV24 75W</b>	0 - 3.0A	0-75W	100-240V~ 50/60Hz	24V	0.95	L184 x W61 x H32mm	IP20	□
<b>DRIPCVP24 75W</b>	0 - 3.125A	0-75W	100-240V~ 50/60Hz	24V	0.95	L199 x W67 x H35mm	IP67	⊕
<b>DRIPCVP24 75W*</b>	0 - 3.15A	0-75W	100-240V~ 50/60Hz	24V	0.95	L186 x W64 x H39mm	IP67	⊕
<b>DCV24-150W-IP</b>	0 - 6.25A	0-150W	100-240V~ 50/60Hz	24V	0.95	L191 x W58 x H32mm	IP67	⊕
<b>DCV24-200W-IP</b>	0 - 8.34A	0-200W	100-240V~ 50/60Hz	24V	0.95	L191 x W58 x H32mm	IP67	⊕
<b>DRIPCVP24 320W</b>	0 - 13.34A	0-320W	100-240V~ 50/60Hz	24V	0.95	L252 x W90 x H44mm	IP67	⊕

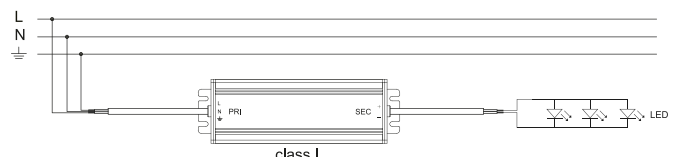
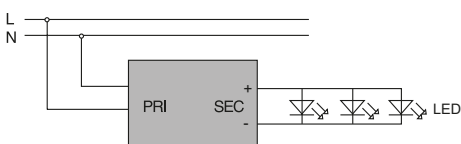
\*DRIPCVP model supplied pre-wired with 3 pin plug

## IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

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## WIRING DIAGRAMS





# Constant Voltage 24V 1-10V Dimmable 150W



- Constant Voltage [Parallel Circuit]
- Dimmable via 1-10V low voltage control signal
- Flicker free
- Dimming range 1-100%
- SELV Equivalent
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- 5 Year Warranty



CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRIPDACVP24 150W</b>	0.2 - 6.25A	4.8-150W	100-240V~ 50/60Hz	24V	0.95	L191 x W70 x H40mm	IP67	⊕

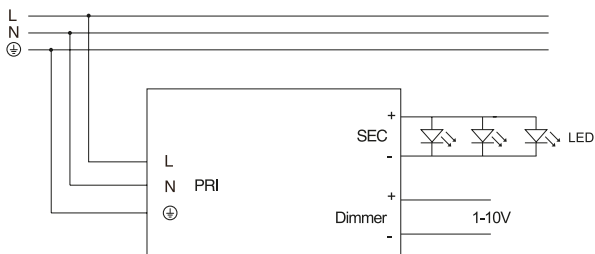
Model supplied pre-wired with 3 pin plug and dimmable 1-10V connection

## IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

## WIRING DIAGRAM



## Constant Voltage 48V Non-dimmable <320W



- Universal AC Input
- Analogue flicker-free
- Active Power Factor Correction
- 4kV Surge Protection
- Constant Voltage [Parallel Circuit]
- SELV Equivalent
- Operating temp range -20.. +50°C
- Overload / Short Circuit Protection
- Overheat protection
- Protection Class I
- 5 Year Warranty



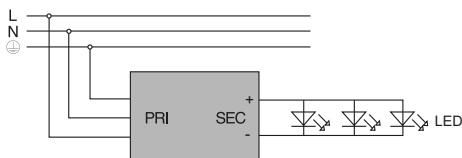
CODE	OUTPUT CURRENT [A]	MIN-MAX OUTPUT [W]	INPUT VOLTAGE [V]	OUTPUT VOLTAGE [V]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING	CLASS
<b>DRIPCV48 100W</b>	0 - 2.08A	0-100W	100-240V~ 50/60Hz	48V	0.95	L199 x W67 x H35mm	IP67	⊕
<b>DRIPCV48 320W</b>	0 - 6.67A	0-320W	100-240V~ 50/60Hz	48V	0.95	L252 x W90 x H44mm	IP67	⊕

### IMPORTANT

When choosing a Constant Voltage LED driver you must observe the total load requirements of your light source/s to ensure you are using the correct driver. A common sign that your circuit is below the minimum load of the driver is slow or delayed response to input, poor dimming and/or instability or flickering. A common sign that your circuit exceeds the maximum output of your chosen driver is flashing / strobing lighting. Overload will trigger the self-protection/reset function of the driver causing the circuit to flash on and off repeatedly.

For Constant Voltage Parallel circuits, as a rule of thumb Halcyon recommends using a driver approximately double the circuit load. This is due to the inrush current of the connected circuit which can momentarily exceed the maximum amperage of the driver, triggering the self-protection/reset function. Example, for 50W 24V DC load with multiple connections use 100W+ Driver. However, for Halcyon CV LED Tape, due to the resistors on the PCB. Only approx. 20% headroom is required e.g. 80W load use 100W+ driver. If in doubt, choose a larger driver.

### WIRING DIAGRAM



## Electronic Transformer

### 12V AC Dimmable

### <105W



- 12V Halogen Lamps
- Low loading LED 12V AC Lamps
- Captured terminal screws
- Overload / Short Circuit Protection
- Self resetting
- 95% Efficiency
- Overheat protection
- Self extinguishing Plastic housing
- Leading/trailing edge dimmable
- 5 Year Warranty



CODE	MIN/MAX OUTPUT [W]	OUTPUT VOLTAGE [V]	INPUT VOLTAGE [V]	INPUT CURRENT [A]	INPUT CAPACITANCE [nF]	POWER FACTOR [λ]	DIMENSIONS L x W x H [mm]	IP RATING
<b>ULTRA70W</b>	0-70W	11.5V	220-240V~ 50/60Hz	0.29A	100	0.99	L113 x W44 x H28	IP20
<b>ULTRA105W</b>	0-105W	11.5V	220-240V~ 50/60Hz	0.48A	154	0.99	L113 x W44 x H28	IP20

#### IMPORTANT

Compatibility with all LED MR16 lamps is not guaranteed, Halcyon recommends known international brand LED MR16 lamps only for best results. Using cheap/low quality lamps can result in flickering and early failure through transformer incompatibility with poor circuit design. If unsure, test prior to installation.

Secondary feed cables should not exceed 2 metres in length.

#### Ultra 70W

Max wattage Halogen lamp 0-70W  
Max wattage LED lamp 0 - 50W (3 Lamps max)

#### Ultra 105W

Max wattage Halogen lamp 0-105W  
Max wattage LED lamp 0 - 50W (3 Lamps max)

# HL1009FA

## Single Colour, Tunable White, RGB or RGBW RF Receiver



RF Receiver for use with RF Remote/Wall controls.



SUPPLY VOLTAGE	12-36V
MAX OUTPUT CURRENT	5A/CH x 4CH
MAX OUTPUT POWER AT 24V	480W (120W Per Channel)
AMBIENT TEMP	-20.. +50°C
DIMENSIONS	L172 x W46 x H22mm

### AVAILABLE IN

DESCRIPTION	CODE
RF Receiver (1-4 Channel 12-36V DC)	HL1009FA
IP67 RF Receiver (1-4 Channel 12-36V DC)	HL1009FAWP

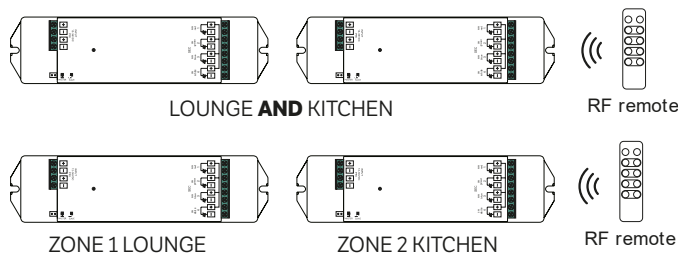
### COMPATIBLE WITH

DESCRIPTION	CODE
Repeaters/Amplifiers	HL3001 & HL3002
RF Wall Mount Controls	HL2820
RF Remote Controls	HL2819
RF Wireless Table Top Controls	HL2836
RF Dimmer Wireless Mini Buttons	HL2807 & HL2833

### INSTALLATION NOTES

**IMPORTANT:** With Multicolour LED lighting do not assume cable colour correlates to colour output. Take care to ensure all channels are wired accurately, if the V+ feed is wired incorrectly it will cause immediate failure.

Receivers can be paired to the same remote to control multiple zones at the same time **OR** paired to the same remote control independently.



### OPERATION NOTES

#### PAIRING HL1009 RF RECEIVER WITH RF REMOTE CONTROL/S

1. Wire HL1009 receiver correctly, power on.
2. Turn on chosen RF Remote (sold separately, see compatibility chart above)
3. Short press "Learning Key" button on HL1009 Receiver, if assigning the circuit to a zone then immediately press a zone number on RF Control (if available) then touch the colour wheel or slider bar on the RF Control. If you are not assigning the circuit to a zone short press learning key and touch the colour wheel or slider bar.
4. LED Lights will Blink to indicate they are successfully paired to your RF remote of choice.
5. HL1009 Receiver can be paired with up to 8 individual remote controls and/or wall controls

#### RESETTING HL1009 RF RECEIVER & RF REMOTE CONTROL/S

1. Long press "Learning Key" button on HL1009 Receiver until LEDs blink on and off. This will reset the connection and cause the RF Receiver to "forget" all previous settings.

#### TROUBLESHOOTING

- Q. LED colours look very faded and dull on my RGBW Four Colour LED Tape?  
 A. Turn off White channel. White Channel is operating at the same time as the 3 colour channels. Turn off fourth "White" Channel using "W" button on wall or remote control.
- Q. When I adjust the colours on my remote it does not match the colours being produced from my RGB LED?  
 A. Channels wired incorrectly, double check all channels are wired correctly. e.g. Red into Red, Blue into Blue etc
- Q. Some of the colours are not working on my RGB tape?  
 A. Check Polarity of connections, e.g. V+ = Positive, Red = Negative, Green = Negative, Blue = Negative



## TERMINATION



### RGB HD Feed cable

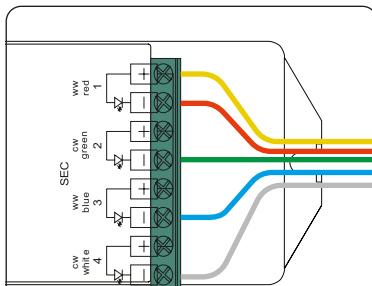
White = 24V DC (+)  
Green Cable = Green (-)  
Red Cable = Red (-)  
Blue Cable = Blue (-)



### RGB+ Feed cable

Yellow Cable = 24V DC (+)  
Green Cable = Green (-)  
Red Cable = Red (-)  
Blue Cable = Blue (-)  
White Cable = White (-)

(Note in some models White Cable=24V and Yellow Cable=White Channel, always check solder point symbols before powering up)



### Feed Cables

For multi colour lighting; colour feeds are wired into the negative terminals.

Only the labelled 24V feed (V+) is wired into the positive terminal on "1/WW/RED" Channel (See yellow wire in diagram above) Incorrect termination on secondary side can cause permanent damage to tape and HL1009 Receiver.

*Example above shows RGBW (4 Channel). Wire colours are used for illustration purposes only.*

**Wire colour does not always correlate to light colour. Check tape solder point for symbol.**

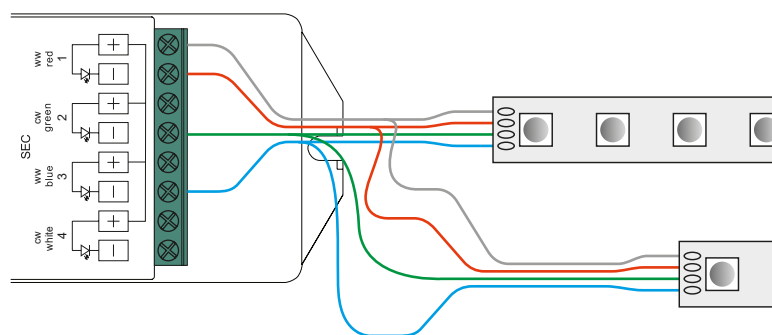


### Multiple Lengths / Luminaires

Multiple tape lengths or luminaires can be wired in **parallel** into HL1009 Secondary.

### MAX TOTAL OUTPUT 480W @ 24V

*If using 12V lighting, max output is halved.*



## MAX RUNS / RANGE

### Maximum recommended run length <25m

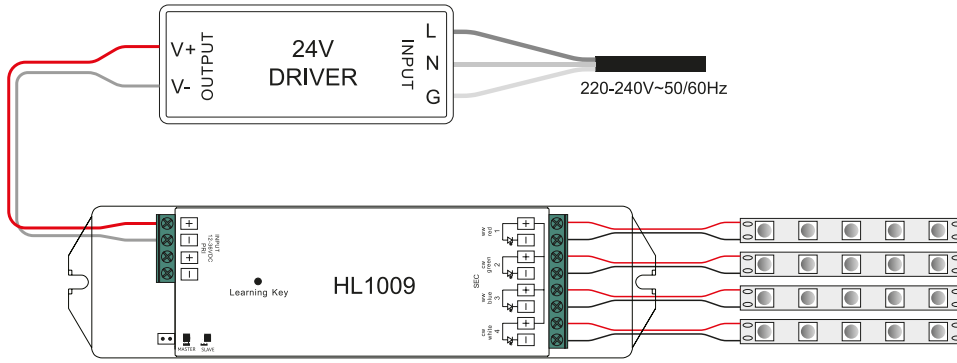
For best results we recommend you do not run secondary feeds longer than 25m from the HL1009 to a repeater / amplifier or lighting circuit. After 25m the PWM signal starts to weaken.

### Maximum recommended range <25m

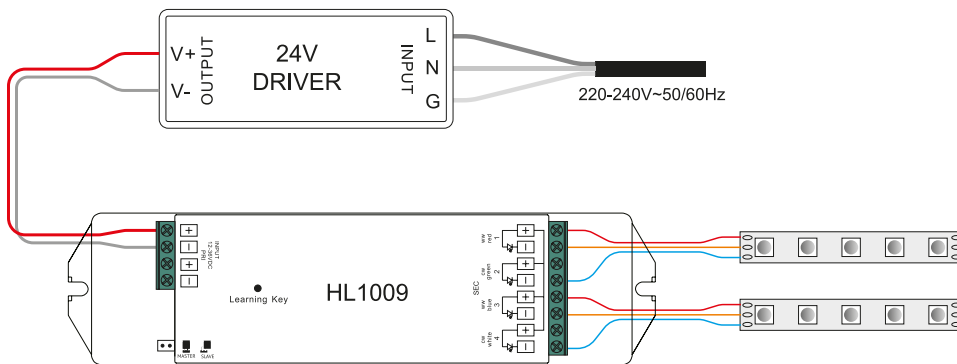
The HL1009 receiver should be located within 25m of the RF remote control or wall control. In masonry homes the range is significantly reduced and testing is required to determine appropriate controller / receiver range.

## WIRING CONFIGURATIONS 1/2/3 & 4 Channels

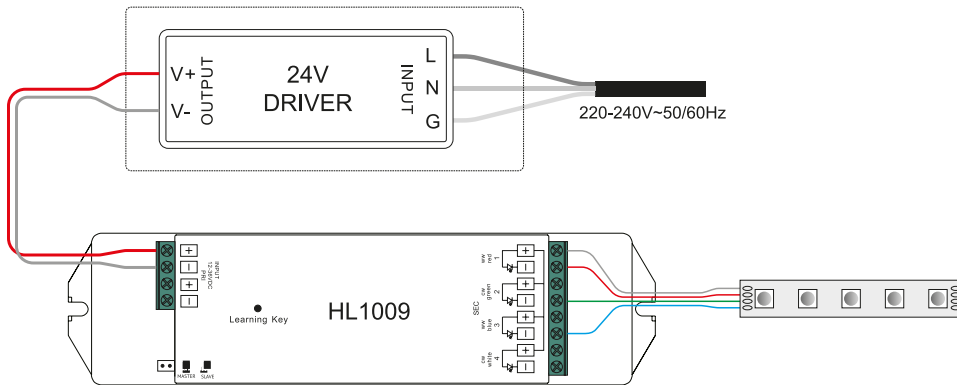
Single Channel e.g. Standard Single Colour LED Tape



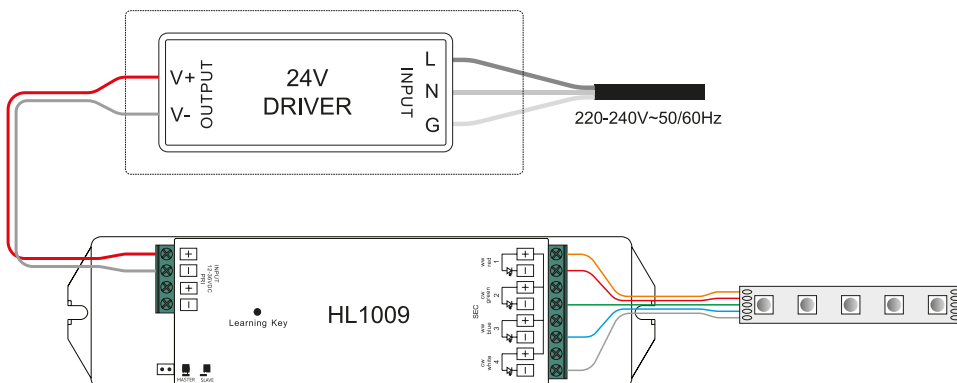
Two Channel e.g. Adjustable Colour Temperature LED Tape



Three Channel e.g. RGB Colour LED Tape



Four Channel e.g. RGB+W Colour LED Tape





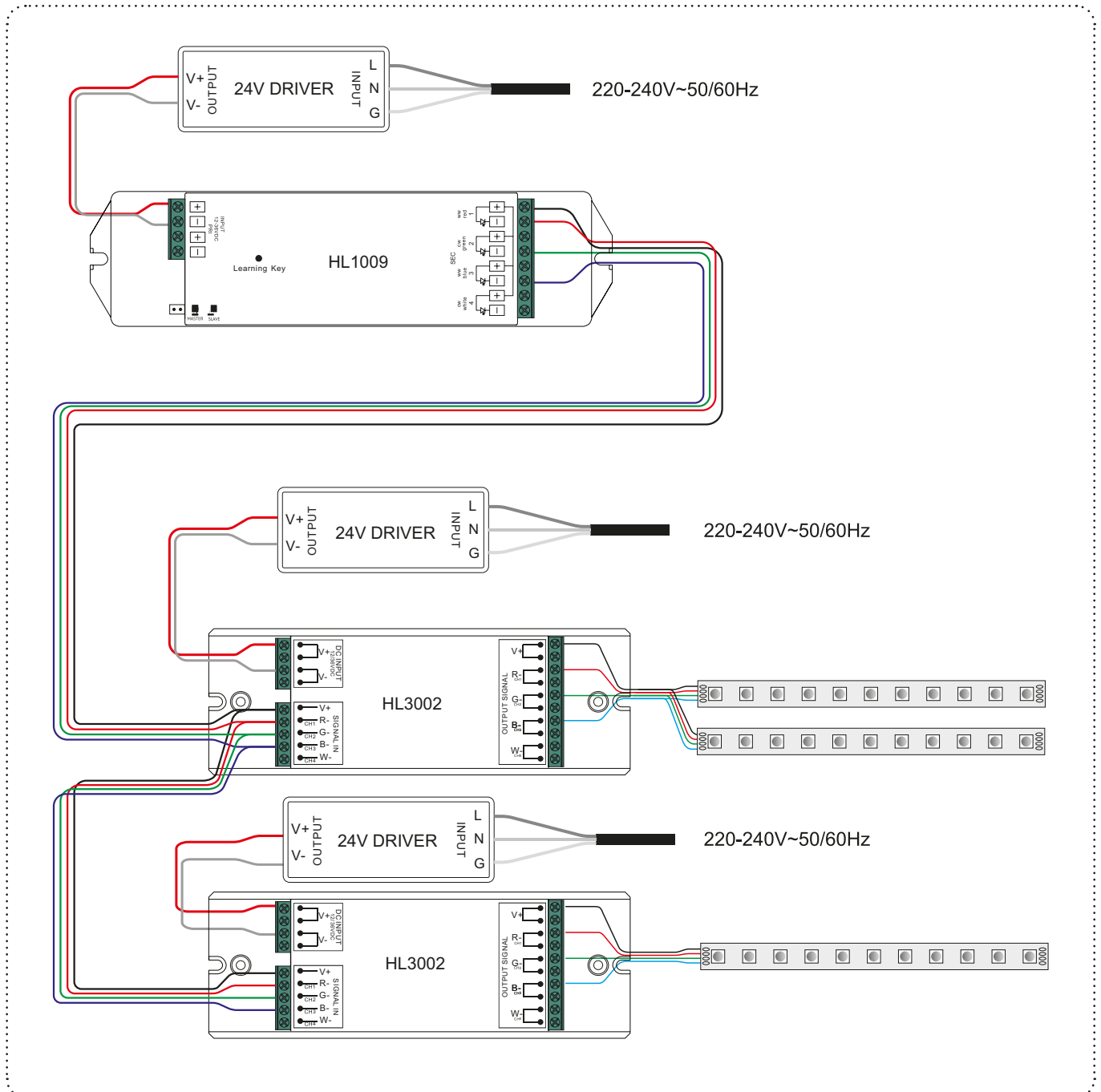
## COMMON CIRCUIT SCENARIOS

### SCENARIO 1: Installation requires two high wattage circuits of LED Tape controlled as a pair by one remote or wall control.

**SOLUTION 1:** If the total wattage of the LED tape exceeds our largest Driver wattage then you will need to use repeaters. Connect one HL1009 receiver to two HL3002 power repeaters. PWM Signal is sent to primary side of each receiver via the HL1009 receiver. Repeaters can be extended indefinitely. Pair/Sync remote control or wall control to HL1009.

Note: When using HL1009 in conjunction with repeaters/amplifiers only a small 24V 40W Driver is needed to power the HL1009 receiver to send PWM signal to repeaters. LED tape is powered by 24V Drivers on each repeater/amplifier, not driver powering the HL1009 receiver.

(Diagram shows RGB Tape)



## COMMON CIRCUIT SCENARIOS CONTINUED..

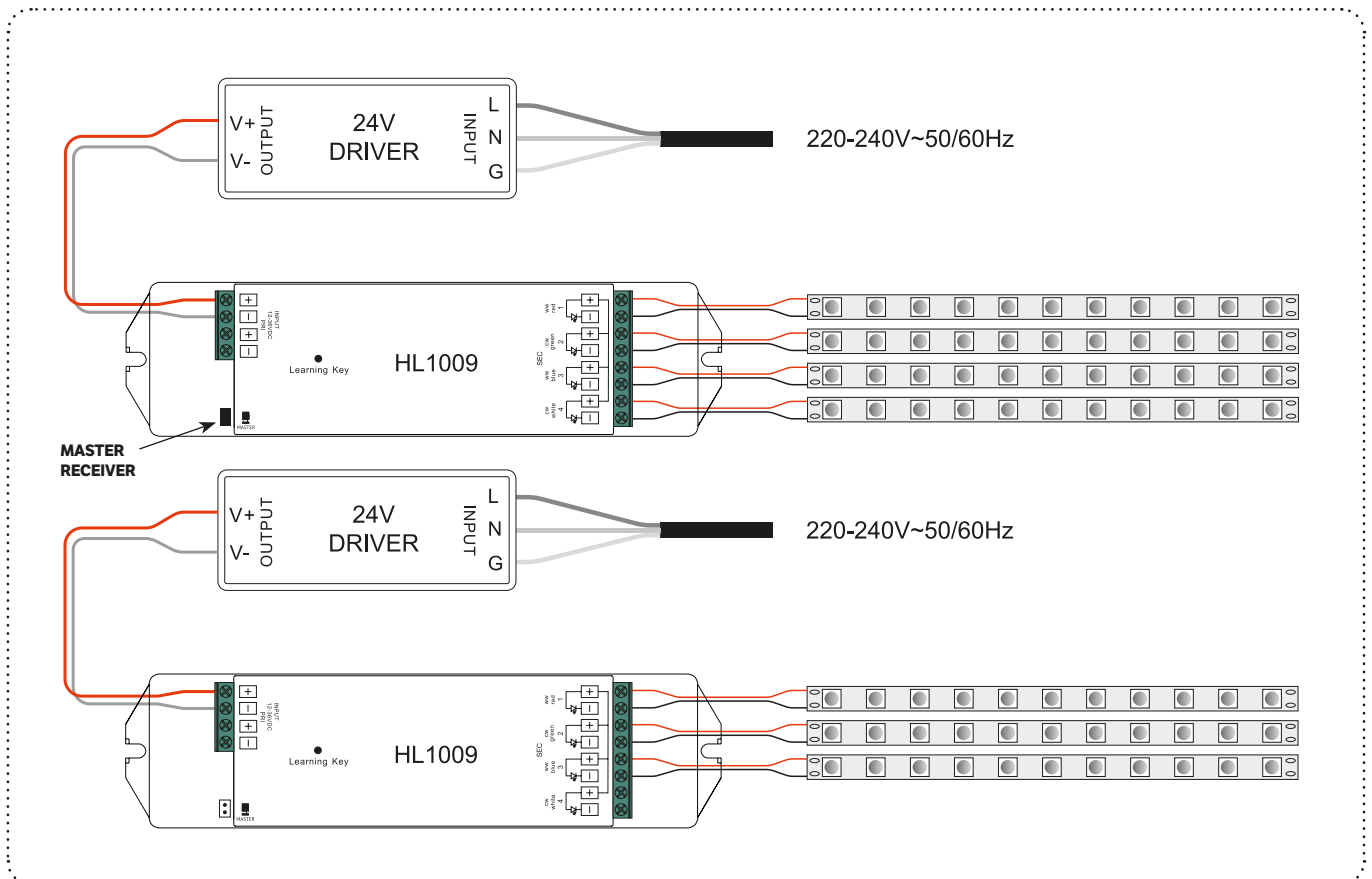
**SCENARIO 2: Installation requires multiple "zones" of differing wattage LED Tape to be controlled independently but only using one remote or wall control.**

**SOLUTION 2:** Configure HL1009 receivers independently, if one of the zones has multiple HL1009 receivers, set one HL1009 receiver as a "master" (see zone 1 in diagram below). By setting one receiver as the master you will ensure the output / lighting effects are synchronized between the multiple receivers in a single zone when paired to a controller.

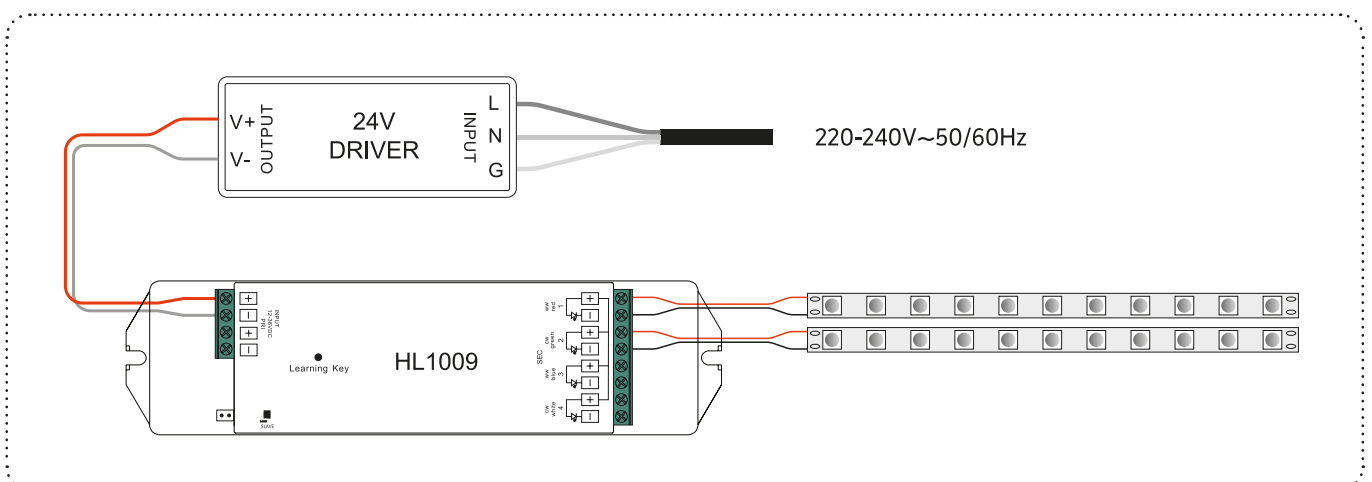
During the initial set up pair each receiver to the desired "Zone" on the remote control. For example in Zone 1 you would pair both HL1009 receivers to the "1" button on the controller and therefore control both the receivers at the same time. For zone 2 you would pair the receiver to the number "2" button on the controller. This way to can control multiple areas using only one controller.

(Diagram shows Single Colour Tape)

### ZONE 1 (e.g. Kitchen and Dining Room)



### ZONE 2 (e.g. Bedroom)







**Pictured:** Splash-back lighting  
LT10 10W LED High Density Tape

# HL3001

Single Colour, Tunable White,  
RGB or RGBW

**Repeater / Amplifier**

**480W (Max 120W Per CH)**



**For extending Single, Dual,  
RGB & RGBW Circuits**

SUPPLY VOLTAGE	12 or 24V
MAX OUTPUT CURRENT	5A/CH x 4CH
MAX OUTPUT POWER AT 24V	4 x 120W
AMBIENT TEMP	-20.. +50°C
DIMENSIONS	L178 x W46 x H22mm

## ORDER CODE

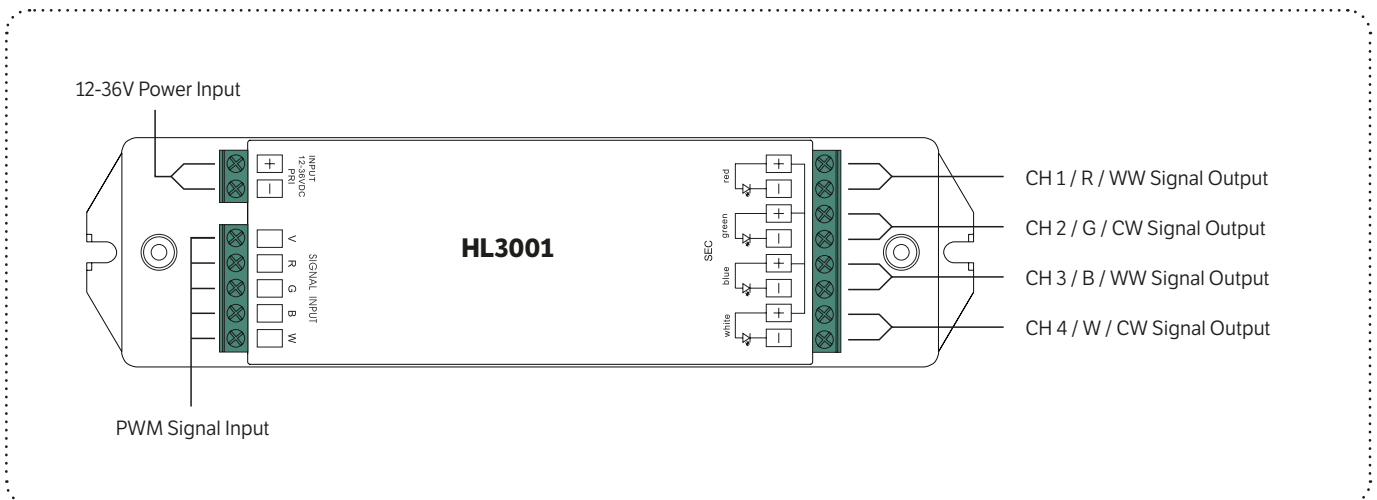
DESCRIPTION	CODE
LED Repeater / Amplifier	HL3001



## COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V LED Lighting, Halcyon 12V or 24V Constant Voltage Control Gear

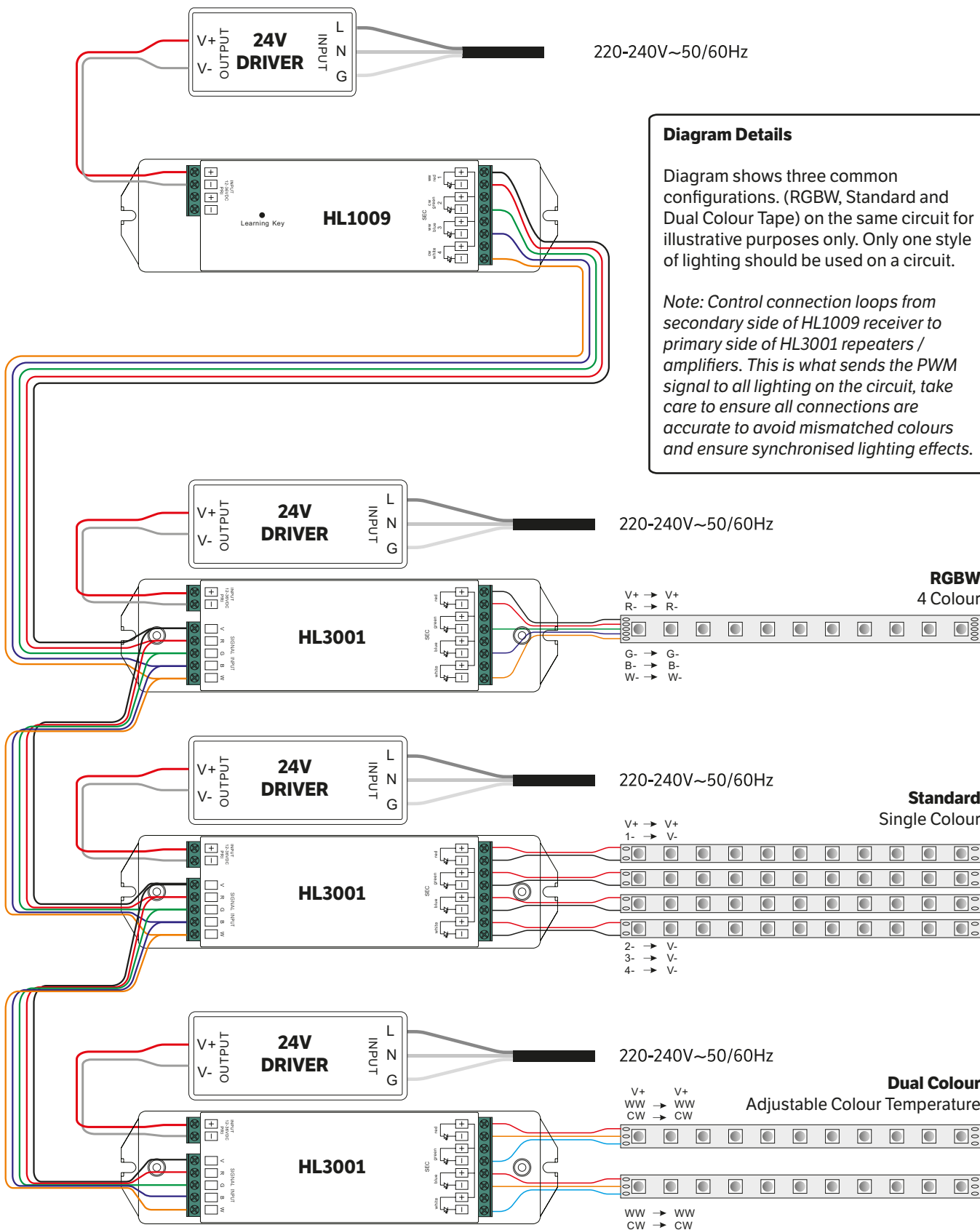
## PRODUCT DIAGRAM



## PRODUCT NOTES

### HL3001 REPEATER / AMPLIFIER FUNCTION

- HL3001 Repeater / Amplifier receives a PWM signal on primary side via the HL1009 RF receiver. (see diagrams next page)
- Repeater / Amplifiers are powered by an independent power source to the HL1009 receiver (see diagrams next page)
- When used in conjunction with Repeaters / Receivers; HL1009 only needs a low wattage driver to power the receiver to send PWM signal to primary side of Repeaters / Receivers. Recommended driver wattage 40W. (see diagrams next page)



**Diagram Details**

Diagram shows three common configurations. (RGBW, Standard and Dual Colour Tape) on the same circuit for illustrative purposes only. Only one style of lighting should be used on a circuit.

*Note: Control connection loops from secondary side of HL1009 receiver to primary side of HL3001 repeaters / amplifiers. This is what sends the PWM signal to all lighting on the circuit, take care to ensure all connections are accurate to avoid mismatched colours and ensure synchronised lighting effects.*

# HL3001 WP

Single Colour, Tunable White,  
RGB or RGBW

**IP67 Repeater / Amplifier**  
**480W (Max 120W Per CH)**

SUPPLY VOLTAGE	12 or 24V DC
MAX OUTPUT CURRENT	5A/CH x 4CH
MAX OUTPUT POWER AT 24V	4 x 120W
AMBIENT TEMP	-20.. +50°C
DIMENSIONS	L180 x W73 x H38mm



**For extending Exterior 12/24V  
Single Colour, Dual Colour,  
RGB & RGBW Circuits**

## ORDER CODE

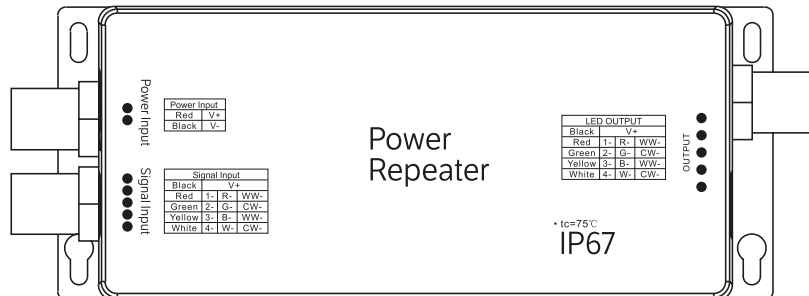
DESCRIPTION	CODE
IP67 LED Repeater / Amplifier	HL3001 WP



## COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V LED Lighting, Halcyon 12V or 24V Constant Voltage Control Gear

## PRODUCT DIAGRAM

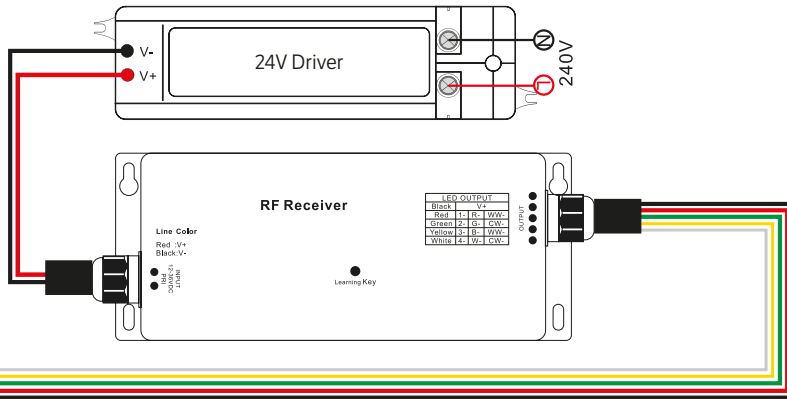


## PRODUCT NOTES

### HL3001 WP REPEATER / AMPLIFIER FUNCTION

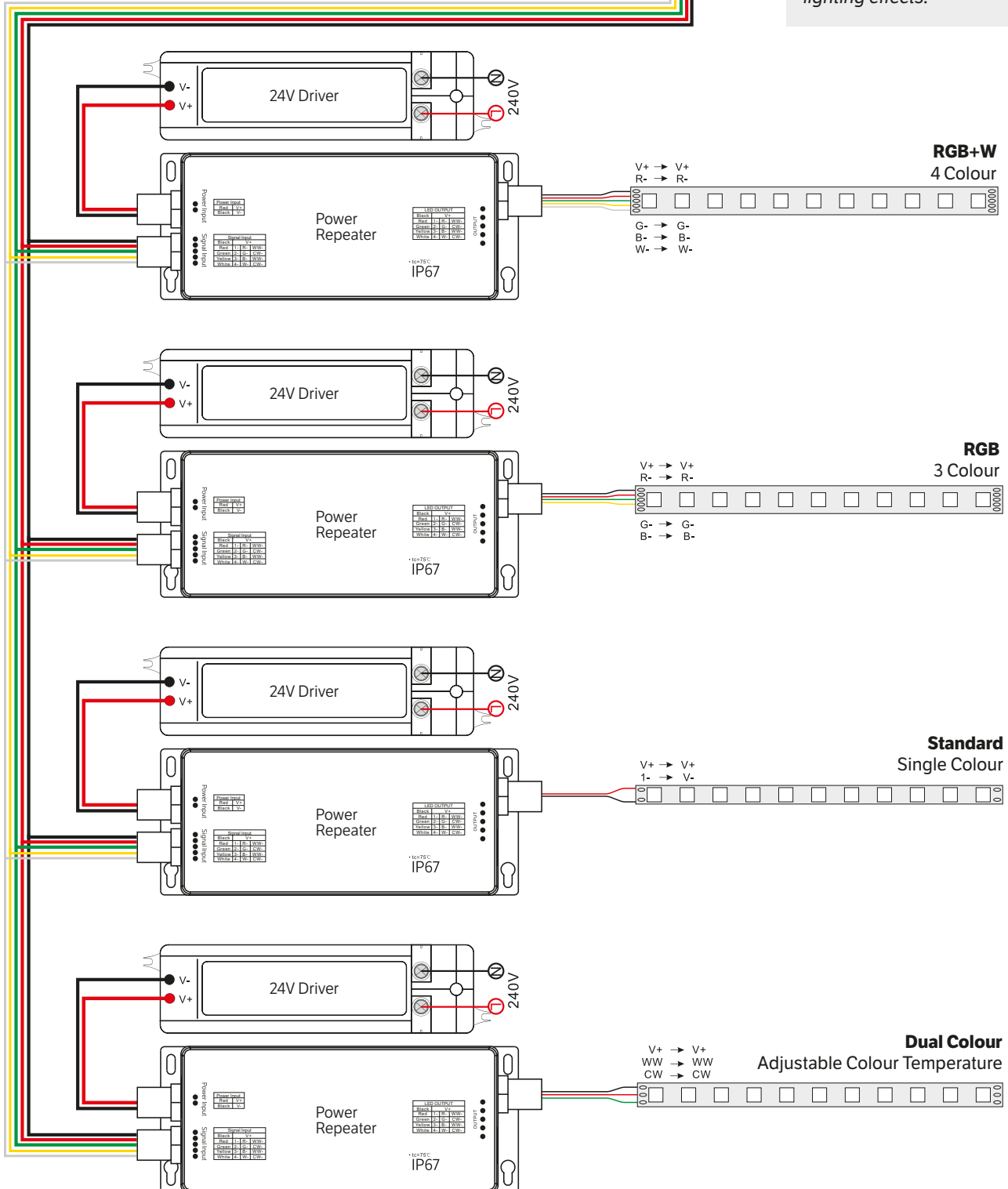
- HL3001 Repeater / Amplifier receives a PWM signal on primary side via the HL1009 RF receiver. (see diagrams next page)
- Repeater / Amplifiers are powered by an independent power source to the HL1009 receiver (see diagrams next page)
- When used in conjunction with HL3001 Repeater / Amplifier the HL1009 requires a 12/24V 40W driver to power the receiver to send PWM control signal to primary side of the Repeaters / Amplifiers.

# WIRING EXAMPLE



## Diagram Details

Control connection loops from secondary side of HL1009 receiver to primary side of HL3001 repeaters / amplifiers. This is what sends the PWM signal to all lighting on the circuit, take care to ensure all connections are accurate to avoid mismatched colours and ensure synchronised lighting effects.





# HL3002

Single Colour, Tunable White, RGB or RGBW

**Repeater / Amplifier**  
**768W (Max 192W Per CH)**



**For extending Single, Dual, RGB & RGBW Circuits**

SUPPLY VOLTAGE	12 or 24V
MAX OUTPUT CURRENT	8A/CH x 4CH
MAX OUTPUT POWER AT 24V	4 x 192W
AMBIENT TEMP	-20.. +50°C
DIMENSIONS	L170 x W59 x H29mm

## ORDER CODE

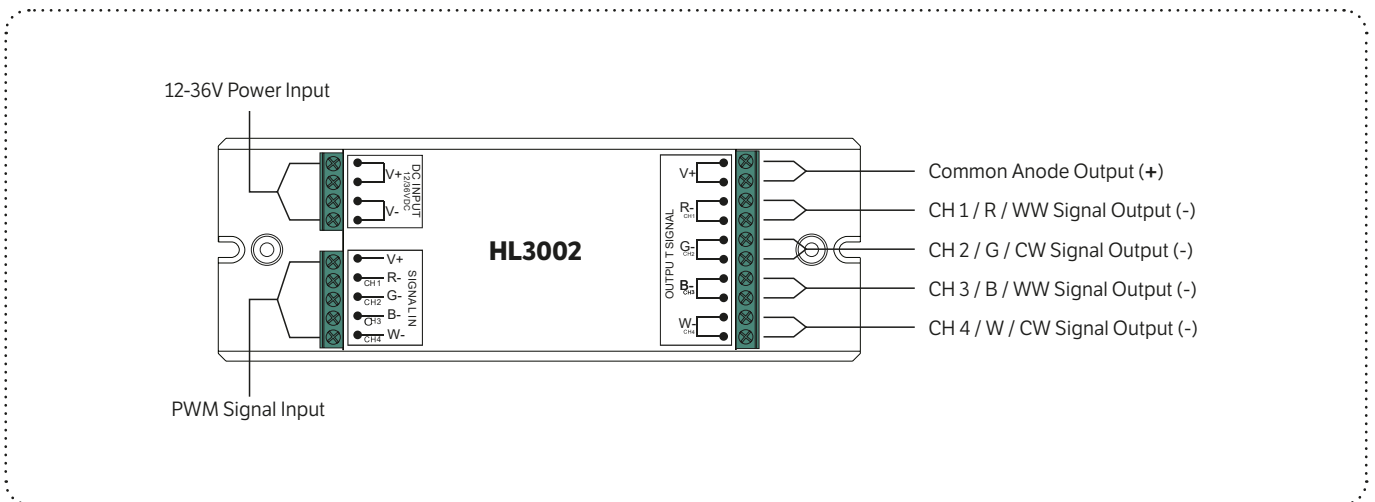
DESCRIPTION	CODE
LED Repeater / Amplifier	HL3002

## COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V LED Lighting, Halcyon 12V or 24V Constant Voltage Control Gear



## PRODUCT DIAGRAM



## PRODUCT NOTES

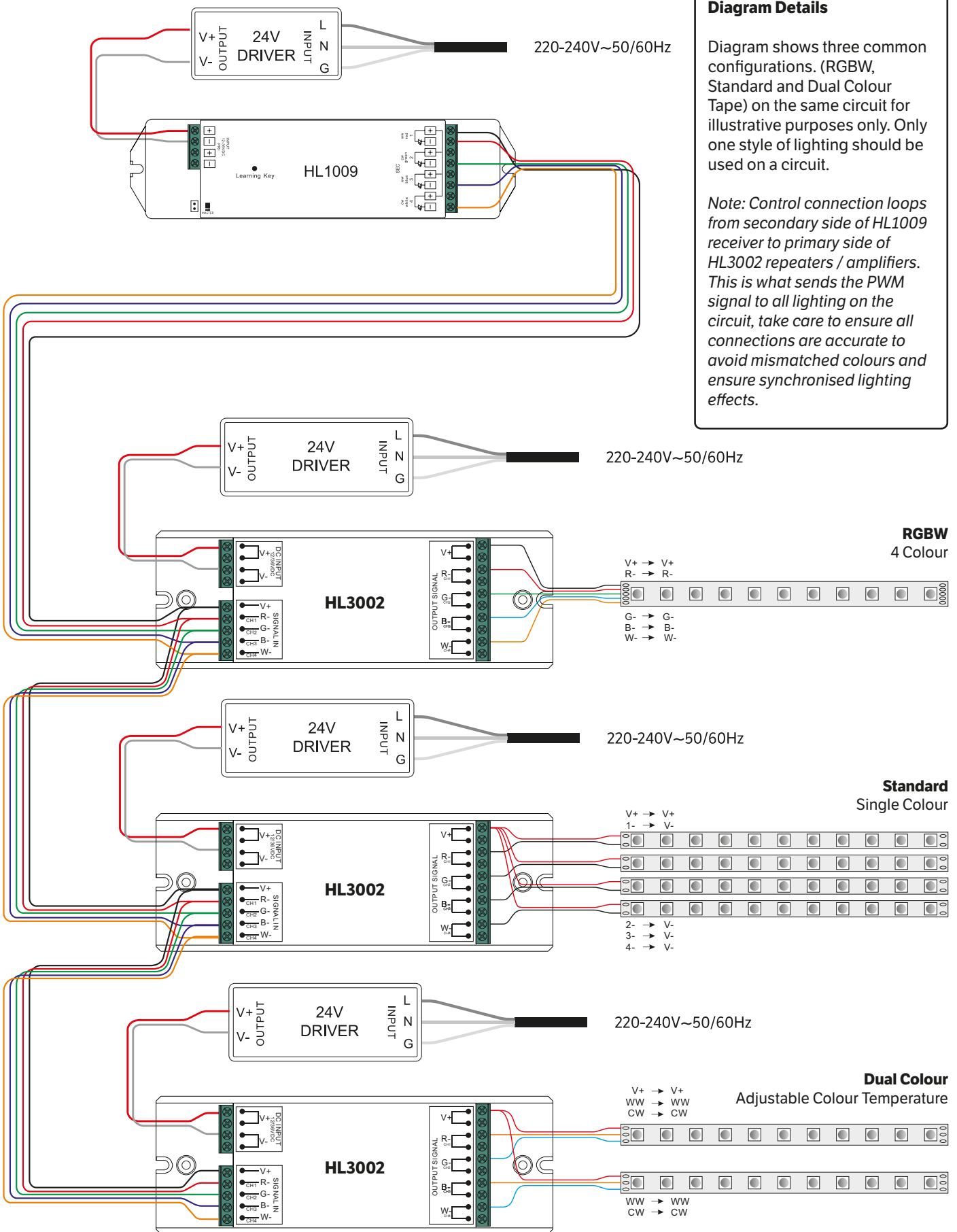
### HL3002 REPEATER / AMPLIFIER FUNCTION

- HL3002 Repeater / Amplifier receives a PWM signal on primary side via the HL1009 RF receiver. (see diagrams next page)
- Repeater / Amplifiers are powered by an independent power source to the HL1009 receiver (see diagrams next page)
- When used in conjunction with Repeaters / Receivers; HL1009 only needs a low wattage driver to power the receiver to send PWM signal to primary side of Repeaters / Receivers. Recommended driver wattage 40W. (see diagrams next page)

### IMPORTANT: HL3002 REPEATER / AMPLIFIER CONFIGURATION

Please note the HL3002 Repeater / Amplifier is to be **wired differently** to the HL1009 RF Receiver. HL3002 Repeater / Amplifier has **ONE** common anode output channel (V+) See wiring diagrams on the next page for common configuration examples. If unsure of the difference, compare wiring configuration for single colour LED tape on the HL3002 Repeater / Amplifier vs the wiring configuration of single colour LED tape when wired directly into HL1009 receiver (see HL1009 specification sheet page 2)

# WIRING EXAMPLE



**Diagram Details**

Diagram shows three common configurations. (RGBW, Standard and Dual Colour Tape) on the same circuit for illustrative purposes only. Only one style of lighting should be used on a circuit.

*Note: Control connection loops from secondary side of HL1009 receiver to primary side of HL3002 repeaters / amplifiers. This is what sends the PWM signal to all lighting on the circuit, take care to ensure all connections are accurate to avoid mismatched colours and ensure synchronised lighting effects.*

**RGBW**  
4 Colour

**Standard**  
Single Colour

**Dual Colour**  
Adjustable Colour Temperature



# HL2819

Single Colour, Tunable White, RGB or RGBW

## RF Remote Controls

POWER SUPPLY 3x AAA Batteries (Included)

OUTPUT RF Signal

FINISH Matte Black

DIMENSIONS 120 x 55 x 17mm



RF Remote Controls for use with HL1009 RF Receivers



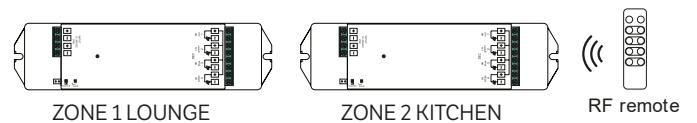
### AVAILABLE IN

DESCRIPTION	CODE
Single Colour Remote Control & Bracket	HL2819SDIM
Dual Colour Remote Control & Bracket (End of line, available while stocks last)	HL2819SCCT
RGB and RGBW Remote Control & Bracket	HL2819SRGBW

### COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V LED Lighting, Halcyon 12V or 24V Constant Voltage Control Gear

Remotes can be paired to control multiple zones at the same time OR paired to control multiple zones independently.



### OPERATION NOTES

#### PAIRING RF REMOTE CONTROL/S WITH HL1009 RF RECEIVER

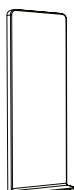
1. Wire HL1009 receiver correctly, power on.
2. Install batteries and turn on RF Remote, power status is indicated by red LED light at top of remote
3. Short press "Learning Key" button on HL1009 Receiver, if assigning the circuit to a zone then immediately press a zone number on RF Remote control or simply touch the colour wheel. If you are not assigning the circuit to a zone short press learning key and touch the colour wheel.
4. LED lights will blink to indicate they are successfully paired to your RF remote of choice.
5. You can pair up to 8 remote controls and wall controls to the same receiver.

#### RESETTING HL1009 RF RECEIVER & RF REMOTE CONTROL/S

1. Long press "Learning Key" button on HL1009 Receiver until LEDs blink on and off. This will reset the connection and cause the RF Receiver to "forget" all previous settings.

#### TROUBLESHOOTING

- Q. LED colours look very faded and dull on my RGBW Four Colour LED Tape?
- A. Turn off White channel. White Channel is operating at the same time as the 3 colour channels. Turn off fourth "White" Channel using "W" button on wall or remote control.
- Q. When I adjust the colours on my remote it does not match the colours being produced from my RGB LED?
- A. Channels wired incorrectly, double check all channels are wired correctly. e.g. Red into Red, Blue into Blue etc
- Q. Some of the colours are not working on my RGB tape?
- A. Check Polarity of connections into HL1009, e.g. V+ = Positive, Red = Negative, Green = Negative, Blue = Negative

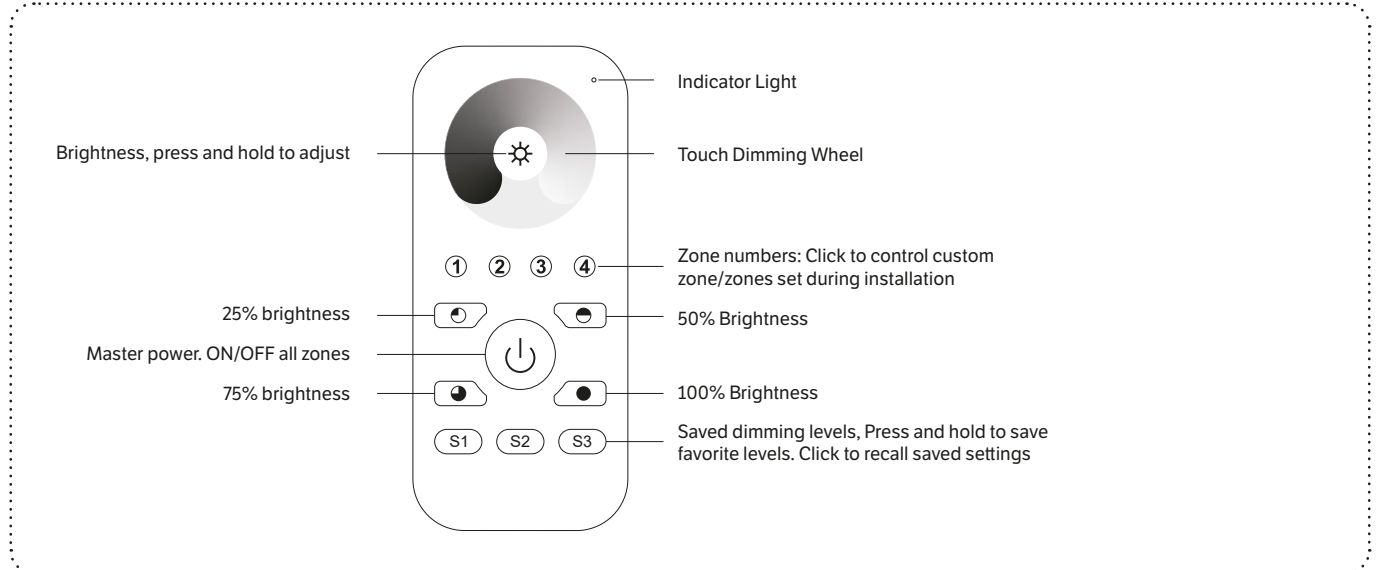


#### Wall Bracket Accessory

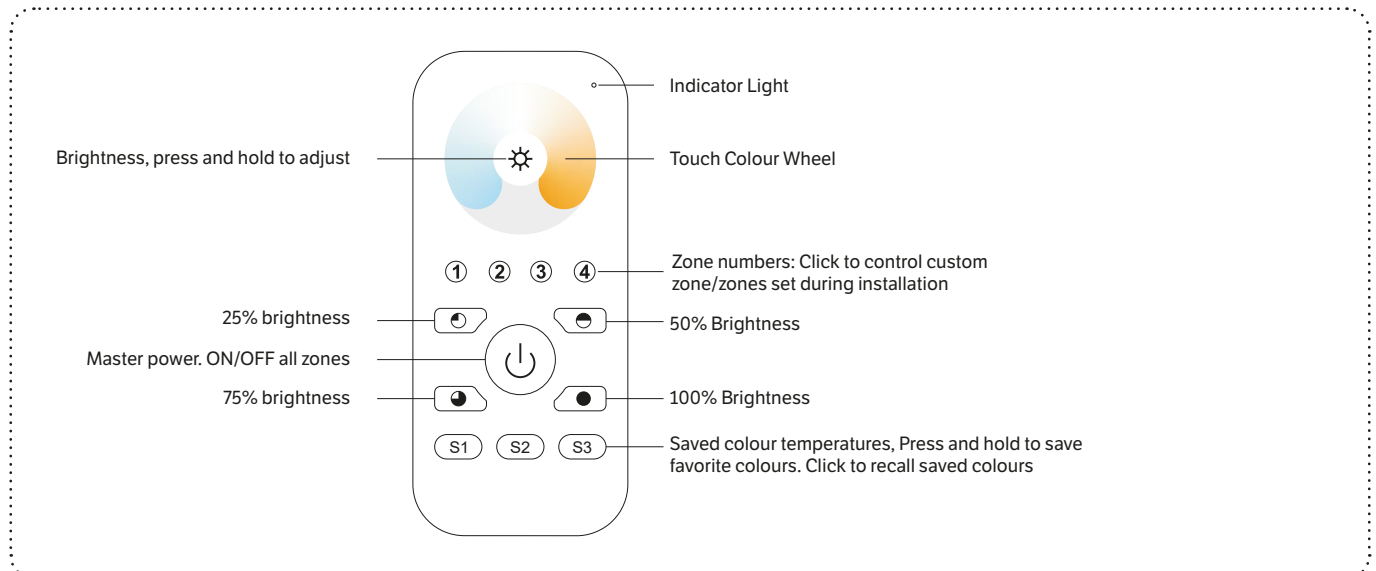
All remotes come complete with a low profile magnetised black wall bracket. Wall brackets come with fixing screw and double sided tape.

## REMOTE FUNCTIONS

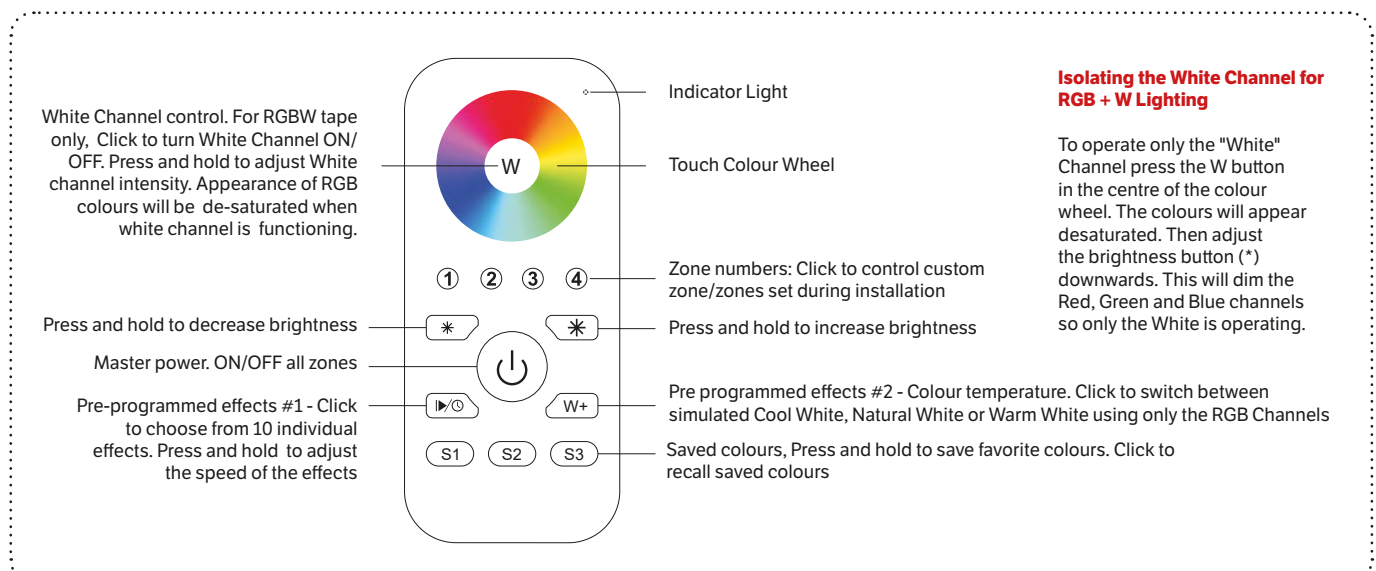
### HL2819SDIM Single Colour Standard Remote Control



### HL2819SCCT Dual Colour (Adjustable Colour temp) Remote Control



### HL2819SRGBW RGB & RGBW Remote Control



## Single Colour, RGB or RGBW Touch RF Wall Controls

POWER SUPPLY	12-24V DC
OUTPUT	RF Signal
FINISH	White with Glass face
DIMENSIONS	120 x 75 x 29mm



RF Wall Controls for use with  
HL1009 RF Receivers



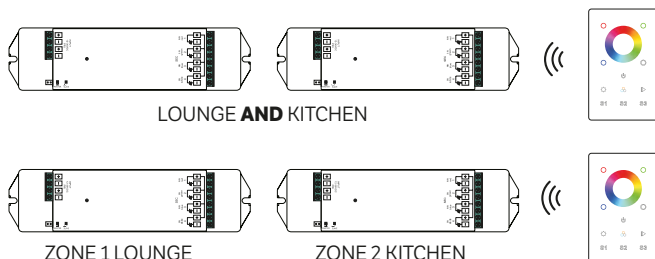
### AVAILABLE IN

DESCRIPTION	CODE
Single Colour Touch Wall Control	HL2820SC
RGB and RGBW Touch Wall Control	HL2820RGBW
RGB and RGBW Touch Wall Control Multi Zone	HL2820RGBWZ

### COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V LED Lighting, Halcyon 12V or 24V Constant Voltage Control Gear

Controllers can be paired to control multiple zones at the same time OR paired to control multiple zones independently.

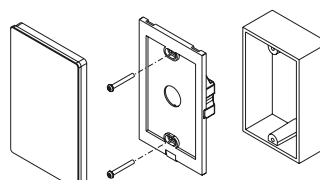
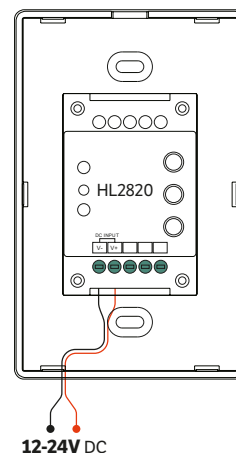


### WIRING DIAGRAM

**NOTE:**  
HL2820 are wired separately to lighting circuits. HL2820 controls lighting via RF signal.

See specification sheet for HL1009 RF Receiver for detailed circuit diagrams.

12-24V Driver sold separately.  
Recommended:  
**DRMACV24 12W**



HL2820 Controllers mount directly into NZ style flush / wall boxes & feature hidden mounting hardware for a clean modern aesthetic.

### OPERATION NOTES

#### PAIRING RF WALL CONTROL/S WITH HL1009 RF RECEIVER

1. Install HL2820 Wall Controller with 12-24V Halcyon Driver, power on.
2. Wire HL1009 receiver according to install instructions, power on.
3. Short press "Learning Key" button on HL1009 Receiver and touch desired zone number or colour wheel on wall controller
4. Connected lighting will "blink" to indicate successful pairing to your HL2820 RF Touch Wall Control
5. You can pair up to 8 wall controls and remotes to the same receiver.

#### RESETTING HL1009 RF RECEIVER & RF WALL CONTROL/S

1. Long press "Learning Key" button on HL1009 Receiver until LEDs blink on and off. This will reset the connection and cause the RF Receiver to "forget" all previous settings.

#### TROUBLESHOOTING

Q. LED colours look very faded and dull on my RGBW Four Colour LED Tape?

A. Turn off White channel. White Channel is operating at the same time as the 3 colour channels. Turn off fourth "White" Channel using "W" button on wall or remote control.

Q. When I adjust the colours on my remote it does not match the colours being produced from my RGB LED?

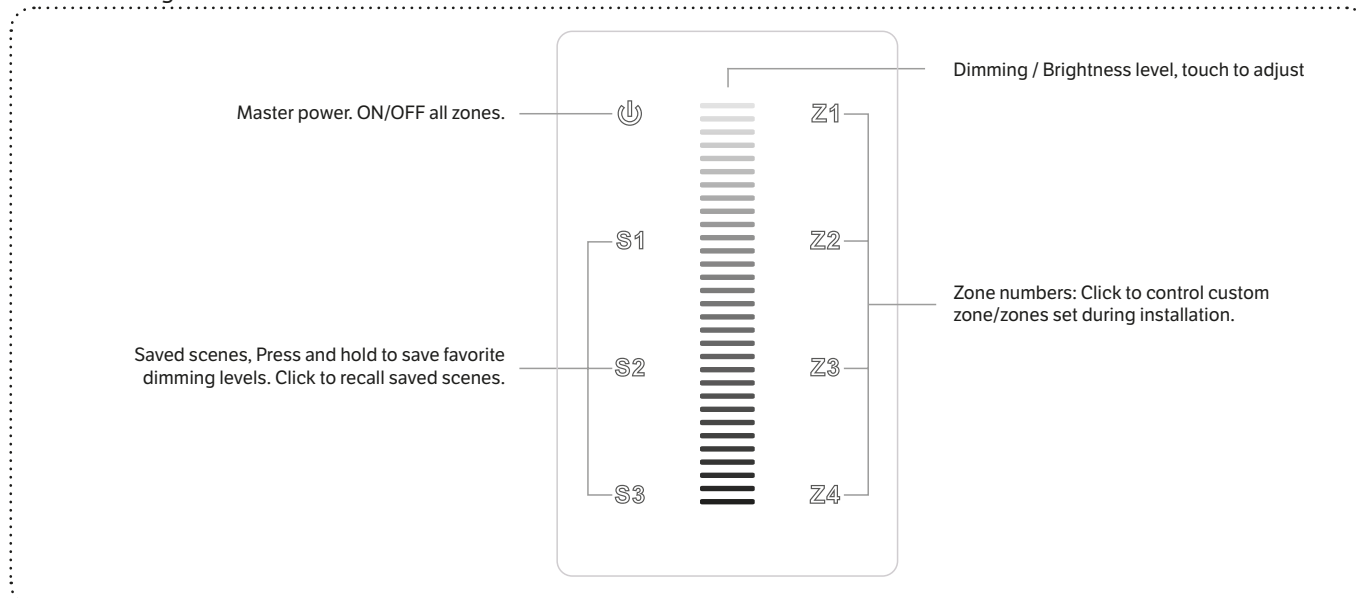
A. Channels wired incorrectly, double check all channels are wired correctly. E.g. Red into Red, Blue into Blue etc

Q. Some of the colours are not working on my RGB tape?

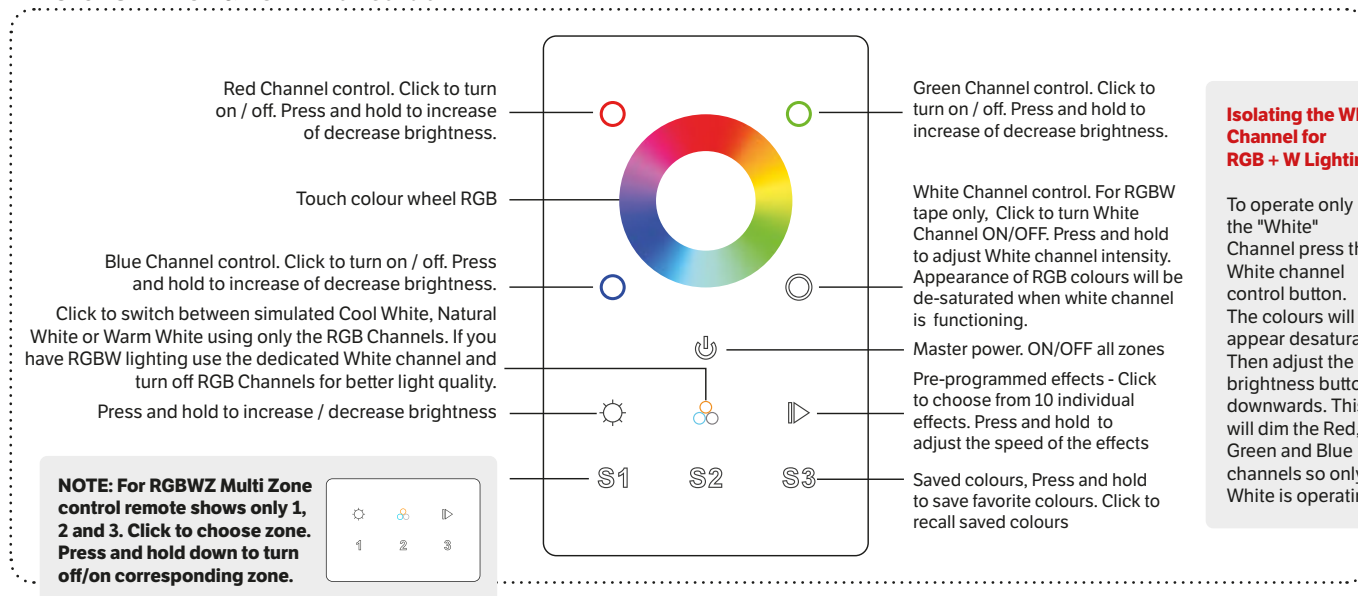
A. Check Polarity of connections into HL1009, e.g. V+ = Positive, Red = Negative, Green = Negative, Blue = Negative

## REMOTE FUNCTIONS

### HL2820SC Single Colour Standard Wall Remote Control



### HL2820RGBW RGB & RGBW Wall Control



# HL2836

## Single or Tunable White Wireless RF Desktop Control

POWER SUPPLY 3V CR2025 Battery  
(included)

OUTPUT RF Signal

FINISH Black

DIMENSIONS L96 x W65 x H74mm



Wireless controllers for use  
with HL1009 RF Receivers

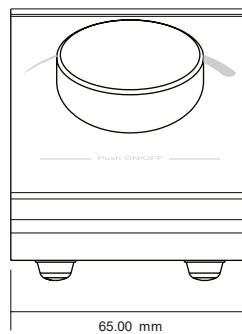
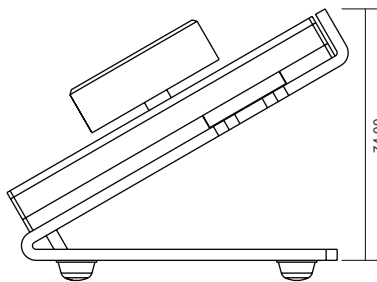


### AVAILABLE IN

DESCRIPTION	CODE
Wireless RF Desktop Controller - Single Colour	HL2836DDIM
Wireless RF Desktop Controller - Dual Colour	HL2836DCCT

### COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V Single and Dual Colour LED Lighting (Dual = adjustable colour temp)



**Perfect for coffee tables and bench tops, no need for additional wiring.**

See specification sheet for HL1009 RF Receiver for detailed circuit diagrams.

### OPERATION NOTES

#### PAIRING RF MINI BUTTONS WITH HL1009 RF RECEIVER

1. Remove protective film and install battery into mini wireless controller.
2. Wire HL1009 receiver according to install instructions, power on.
3. Short press "Learning Key" button on HL1009 Receiver and press or turn main knob on wireless controller.
4. Connected lighting will "blink" to indicate successful pairing to your wireless controller.
5. You can pair multiple controllers to the same receiver.

#### RESETTING HL1009 RF RECEIVER & RF WIRELESS DESKTOP CONTROLLER

1. Long press "Learning Key" button on HL1009 Receiver until LEDs blink on and off. This will reset the connection and cause the RF Receiver to "forget" all previous pairings.

## Single Colour Dimming Mini RF Wireless Buttons



POWER SUPPLY	3V CR2025 Battery (included)
OUTPUT	RF Signal
FINISH	White or Silver
DIMENSIONS	D32 x H9.8mm

Mini Wireless Dimming buttons for use with HL1009 RF Receivers

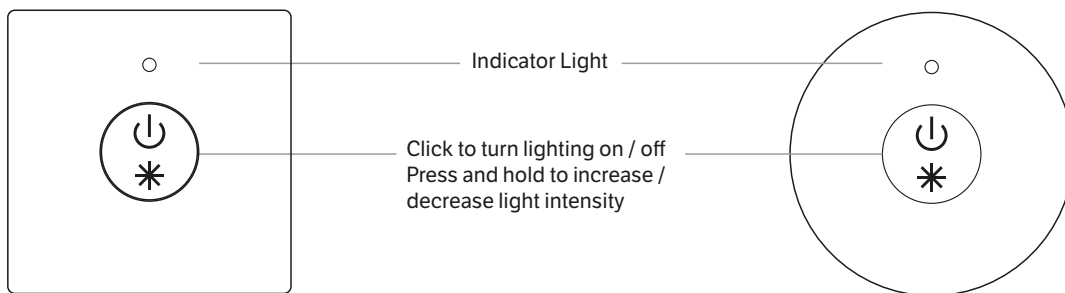


### AVAILABLE IN

DESCRIPTION	CODE
Circle Mini Wireless Button - Silver	HL2833SS
Circle Mini Wireless Button - White	HL2833SW
Square Mini Wireless Button - Silver	HL2807SS

### COMPATIBLE WITH

DESCRIPTION
HL1009 Series RF Receivers, Halcyon 12V or 24V Single Colour LED Lighting



**Perfect for hidden controls under bench tops and shelving, no need for additional wiring.**  
See specification sheet for HL1009 RF Receiver for detailed circuit diagrams.

### OPERATION NOTES

#### PAIRING RF MINI BUTTONS WITH HL1009 RF RECEIVER

1. Remove plastic cover and install battery into mini wireless switch.
2. Wire HL1009 receiver according to install instructions, power on.
3. Short press "Learning Key" button on HL1009 Receiver and press main button on wireless mini switch
4. Connected lighting will "blink" to indicate successful pairing to your mini wireless button.
5. You can pair multiple buttons to the same receiver.
6. Press and hold button to adjust dimming level, click button to turn on and off.

#### RESETTING HL1009 RF RECEIVER & RF MINI SWITCH

1. Long press "Learning Key" button on HL1009 Receiver until LEDs blink on and off. This will reset the connection and cause the RF Receiver to "forget" all previous pairings.

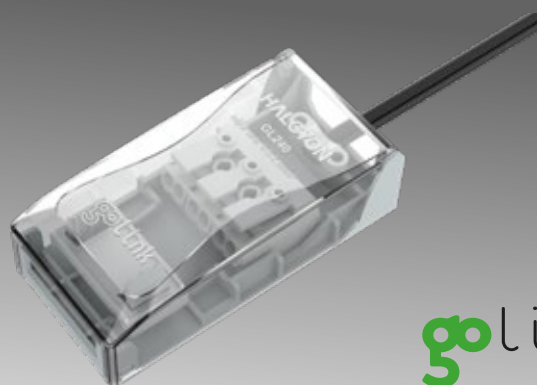


**HL2833 Wireless Switch comes with inbuilt magnet plus optional screws for permanent mounting.**

## Mains Adaptor Go-Link Mousetrap Loop In/Out

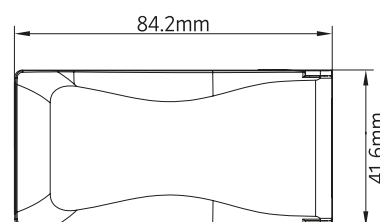
Loop-in / loop-out go-link mains adaptor. Designed with the installer in mind for use with compact and/or European style control gear with small mains terminals. GL240 comes complete with 125mm 2x0.75mm<sup>2</sup> mains feed cable pre-wired to a loop-in loop-out terminal block with a cable clamp. GL240 is also suitable for adapting miniature drivers with pre-wired feeds for use in ceiling spaces, simply remove the 125mm 2x0.75mm<sup>2</sup> pre-wired feed cable and terminate mini driver primary feed directly into adaptor.

**GL240**



goLink

CODE	VOLTAGE RATING	CURRENT RATING	HOUSING MATERIAL	OUTPUT LINE	DIMENSIONS [mm]
GL240	300V	6A	PC	Pre-wired mains connection cable L125 VDE H03VVH2-F 2x0.75mm <sup>2</sup>	L84.2 x W41.6 x H24mm





# Load Correction Device / Dummy Load / Bypass

<1.4W

**HL1000**



CODE	POWER CONSUMPTION [W]	POWER SUPPLY	DIMENSIONS [mm]
HL1000 LCD	< 1.4W	AC100-240V, 50/60Hz	25 x 20 x 10mm

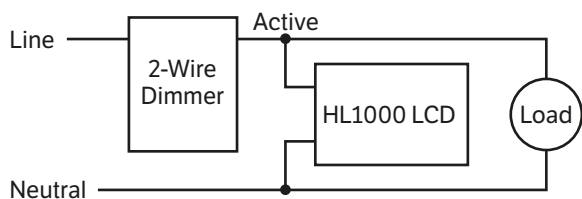
## PRODUCT DESCRIPTION

HL1000 is suitable for use with 2-wire, mains-powered dimmers that use TRIAC dimming e.g. leading, trailing or universal dimming. HL1000 is not to be used with 3-wire dimming units.

HL1000 can improve dimming performance and load stability for low power LED lighting loads across the dimming range. The HL1000 also ensures an off state for TRIAC dimming channels which can eliminate “ghosting” of flickering when off. The HL1000 is designed to be connected to 220-240V AC, 50Hz mains voltages.

HL1000 leads are not double insulated and must be installed with adequate electrical insulation or in an enclosure to meet any relevant wiring regulations.

## WIRING DIAGRAM



## 10 - 350W Dimmer Trailing Edge Push Mech

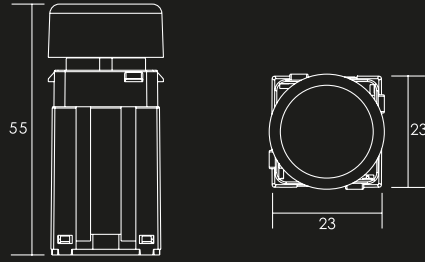
**DIMPM**

- Guaranteed compatibility with Halcyon dimmable control gear
- Built in on/off and touch dimming control
- Soft Start
- Suitable for 1-way operation only
- No neutral required
- Overheat protection
- Fits Clipsal / PDL backplates (Clipsal version supplied with both rounded & square faceplate)



CODE	DIMMING METHOD	TO SUIT	LOAD WATTAGE [W]	INPUT VOLTAGE [V]	DIMENSIONS L x W x H [mm]
<b>DIMPMCLI350</b>	Trailing Edge	Clipsal	10-350W (1.5A Max)	240V 50Hz	L21.7 x W21.7 x H49.6mm
<b>DIMPMPDL350</b>	Trailing Edge	PDL	10-350W (1.5A Max)	240V 50Hz	L21.7 x W21.7 x H49.6mm

## 10 - 350W Dimmer Trailing Edge



- Guaranteed compatibility with Halcyon dimmable control gear
- Soft Start
- No neutral required
- Suitable for 1 or 2 way operation
- Overheat protection

**DIMROC/P**

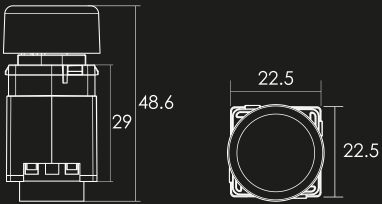


CODE	DIMMING METHOD	LOAD WATTAGE [W]	INPUT VOLTAGE [V]	DIMENSIONS L x W x H [mm]	TO SUIT
<b>DIMROCLI350</b>	Trailing Edge	10-350W 1.5A Max	240V 50Hz	L23 x W23 x H55mm	Clipsal
<b>DIMROPDL350</b>	Trailing Edge	10-350W 1.5A Max	240V 50Hz	L23 x W23 x H55mm	PDL

Both models come complete with both small and large knob options pictured above.

## 1 - 10V Potentiometer

**DIMRO 110**



- Suitable for Halcyon 1..10V electronic dimmable driver controls
- 1 - 100% Dimming Range
- ECG generated control power, no extra power source required
- Compatible with Clipsal or HPM switch plates



CODE	INPUT CURRENT [mA]	ECG MAX CONTROL	DIMENSIONS L x W x H [mm]
<b>DIMROCLI110</b>	40mA	30	L22.5 x W22.5 x H48.6mm

**Recommended Driver: DRIPDACVP24 150W**