

HL3002

Single, Dual, 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

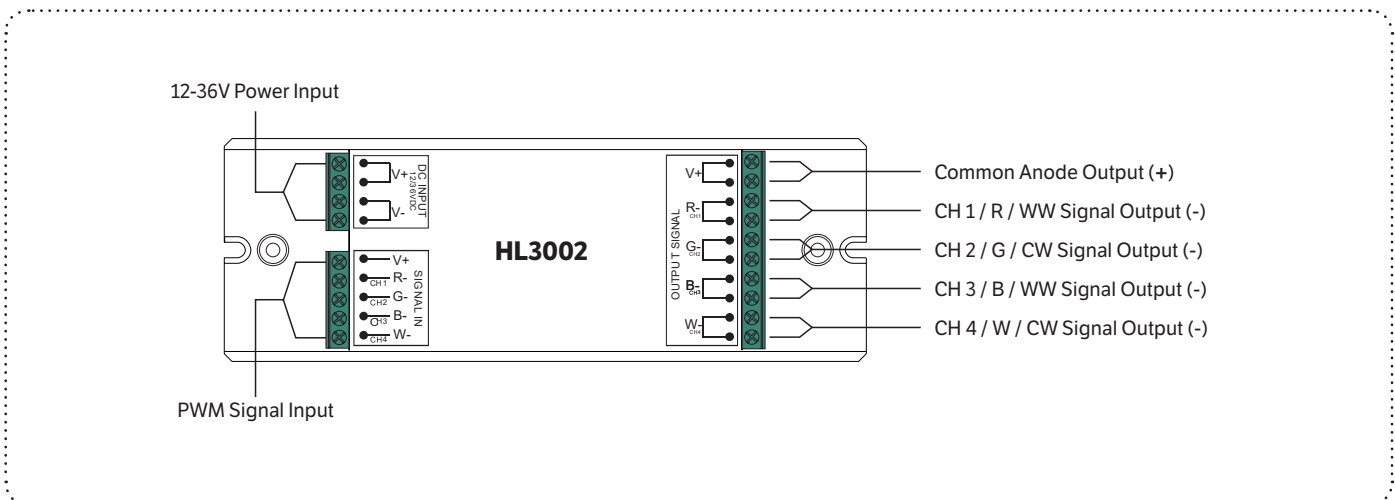
DESCRIPTION	CODE
LED Repeater / Amplifier	HL3002

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

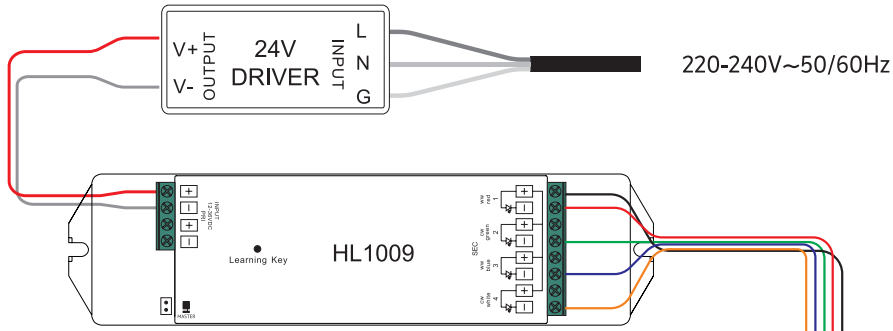


Diagram Details

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.

