



INSTALLATION INSTRUCTION

Constant Voltage 12V/24V LED Driver

Non-Dimmable

(Please retain for future reference)

Product Code	6 Digit Code	Max Output	Output Voltage
ILDRCVC129	93-10-98	50W	12VDC
ILDRCVC049	92-55-83	100W	12VDC
ILDRCVC050	87-70-97	150W	12VDC
ILDRCVC051	60-72-84	240W	12VDC
ILDRCVC130	04-19-43	50W	24VDC
ILDRCVC052	77-75-98	100W	24VDC
ILDRCVC053	34-26-56	150W	24VDC
ILDRCVC054	26-68-83	240W	24VDC
ILDRCVC128	19-89-73	320W	24VDC

Compliant to: EMC EC 2014/30/EU, LVD EC 2014/35/EU



WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.



**RISK OF ELECTRICAL SHOCK. ALWAYS SWITCH OFF POWER
AT THE MAINS BEFORE INSTALLING OR MAINTAINING THIS LED DRIVER**

Thank you for purchasing an INTEGRAL LED product. When installed correctly this unit will provide years of service. For support or warranty information please see integral-led.com. Always turn off circuit power at the distribution unit before installation and maintenance. Please ensure that the power cannot be connected inadvertently.

IMPORTANT NOTICE

- This LED driver should be installed according to the instructions in this guide and by a qualified electrical installer. All electrical work must be completed in accordance with the latest IET regulations (formally IEE) for the UK and in accordance with all applicable regulations and laws in the country in which it being installed.
- Always SWITCH OFF the power at the mains when installing, adjusting or maintaining the LED driver.
- The LED Driver is for indoor and outdoor areas use. Not suitable for water immersion. (operating temperatures: -40° C to +60° C).
- Observe the correct wiring and polarity for INPUT (primary) (200~240V AC 50Hz/60Hz) and OUTPUT (secondary) (12V/24VDC).
- Errors in connecting the device can lead to irreparable damage or personal injury.
- An electronic protection circuit will switch OFF the power supply internally in case of a short/ open circuit or overload on the 12V/24V output circuit. Once faults are corrected the LED driver will reset automatically.
- Do NOT dismantle the driver; there are NO user-serviceable parts inside.
- This LED driver is Non-Dimmable – Do NOT install in a dimmable circuit.

**FOR THE BEST PERFORMANCE AND TO AVOID ANY DAMAGE TO THE DRIVER
OR CONNECTED DEVICES**

- This is a SWITCH MODE 12V/24VDC CONSTANT VOLTAGE LED Driver – It must ONLY be used with suitable CONSTANT VOLTAGE LED LAMPS or STRIPS. Do NOT use with NON-LED devices. Ensure a suitable load is connected.
- Connected loads to the 12V/24V OUTPUT should be connected in PARALLEL only.
- To allow for power variation in installations, the connected load wattage should be up to 80%-90% of wattage of the LED driver. Do NOT overload the LED driver.
- Before mounting the driver, determine a suitable and safe installation position (see Fig 3) and consider how the driver will be switched ON and OFF.
- To maintain EMC compliance the output cable to LED devices should not exceed 2M in length.

INSTALLING THE LED DRIVER

1. Switch the power OFF at the mains
2. Connect the 12V/24V load wires on the OUTPUT (secondary) side – Ensure the correct polarity. (see Fig 1)
3. Connect the mains supply wires to the INPUT (primary) side – Ensure the correct polarity. (see Fig 2)
4. Check connections are secure and that there are no loose strands. Screw down the connector covers ensuring the outer wire insulation is held under the cord grip.
5. When the circuit has been safety tested, switch ON power and confirm operation.
6. Once the position and functionality is confirmed. Switch OFF the power at the mains and mount the LED driver if required using suitable fixings. (not supplied).

Fig 1 **OUTPUT 12V/24V DC load**

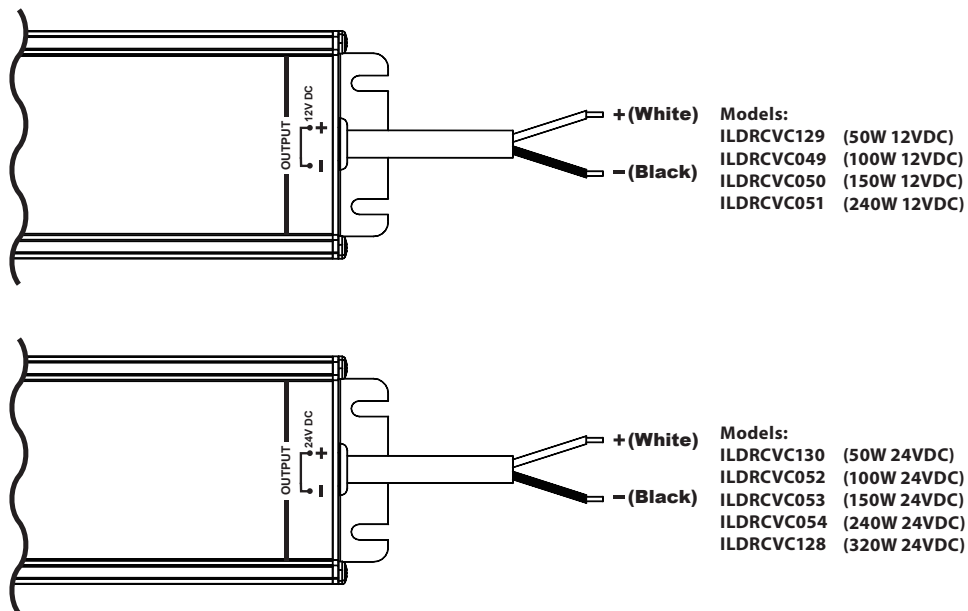


Fig 2 **INPUT 200-240V AC (50/60Hz) Supply**

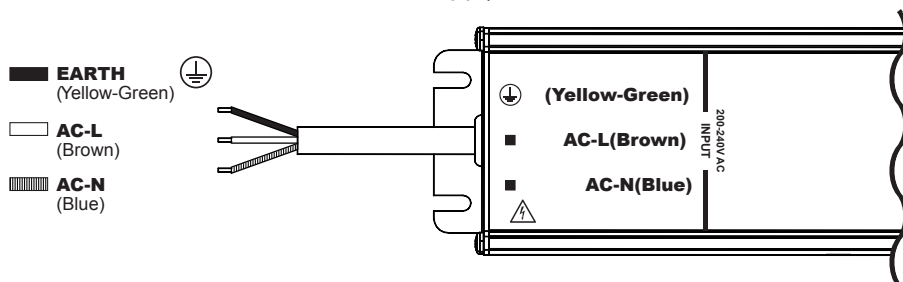
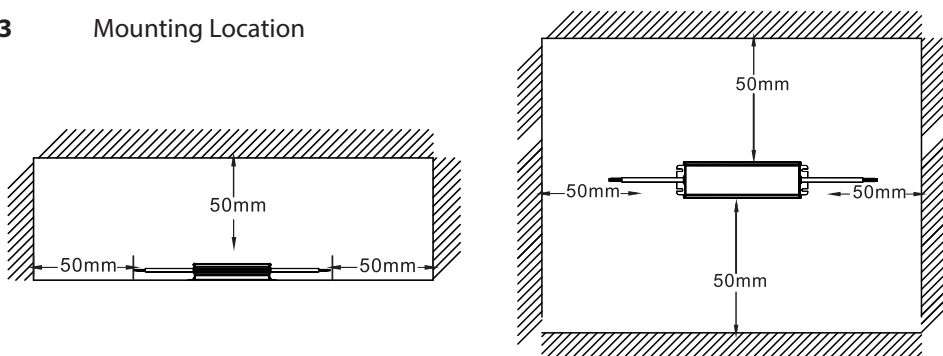


Fig 3 **Mounting Location**



SPECIFICATIONS:

Model No	Input Voltage (AC)	Type	Input Current	Output Voltage (DC)	Maximum Output Current	Max Power Rating	IP Rating
ILDRCVC129	200~240V AC, 50/60Hz)	Constant Voltage	<0.35A	12V DC	4.17A	50W	IP67
ILDRCVC049			<0.7A	12V DC	8.33A	100W	
ILDRCVC050			<1A	12V DC	12.5A	150W	
ILDRCVC051			<1.6A	12V DC	20A	240W	
ILDRCVC130			<0.35A	24V DC	2.08A	50W	
ILDRCVC052			<0.7A	24V DC	4.17A	100W	
ILDRCVC053			<1A	24V DC	6.25A	150W	
ILDRCVC054			<1.6A	24V DC	10.4A	250W	
ILDRCVC128			<2A	24V DC	13.4A	320W	

Model No	Ambient Temp Max(ta)	Case Temp Max(tc)	Input Cable Specification	2 Core Output Cable Specification
ILDRCVC129	60 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (18AWG) Metric Equivalent = 1mm, Length=200mm
ILDRCVC049	60 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (18AWG) Metric Equivalent = 1mm, Length=200mm
ILDRCVC050	60 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (14AWG) Metric Equivalent = 2.5mm, Length=200mm
ILDRCVC051	50 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (14AWG) Metric Equivalent = 2.5mm, Length=200mm
ILDRCVC130	60 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (18AWG) Metric Equivalent = 1mm, Length=200mm
ILDRCVC052	60 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (18AWG) Metric Equivalent = 1mm, Length=200mm
ILDRCVC053	60 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (16AWG) Metric Equivalent = 1.5mm, Length=200mm
ILDRCVC054	50 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (14AWG) Metric Equivalent = 2.5mm, Length=200mm
ILDRCVC128	50 °C	90 °C	H05RN-F 3*1.0mm ² , Length=200mm	SJTW (14AWG) Metric Equivalent = 2.5mm, Length=200mm



All Trademarks Acknowledged

Limited 3 Year Warranty

Improper installation, abuse or miss-powering of the driver or failure to use the driver for its intended use will void the warranty. Proof of purchase is required for all returns.

Your statutory rights remain unaffected.

Please see www.integral-LED.com/warranty

Questions? Please contact your supplier or see integral-LED.com

Warranty/Technical and contact information are all available at www.integral-led.com

Integral LED is a division of Integral Memory plc:

Unit 6 Iron Bridge Close,
Iron Bridge Business Park, London, NW10 0UF, UK
EC/REP: Integral Europe BV, 2801 DG, NL