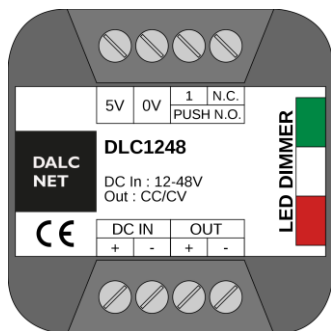




FEATURES

- DC Input 12-24-48 Vdc
- Command: push-button / potentiometer / 0÷10V
- White control
- Voltage or current outputs
- Typical efficiency 98%
- Bias and Leakage current reset circuit
- Soft start and soft stop
- Optimized output curve
- Extended temperature range
- 100% burn-in test - 5 years warranty

Constant current variants (common anode)

CODE	Supply Voltage	Output	Channels	Command	
DLC1248-1CC350	12÷48V DC	1 x 350mA	1	N.O. button	
DLC1248-1CC350-005	12÷48V DC	1 x 350mA	1	potentiometer 0÷5V	
DLC1248-1CC350-010	12÷48V DC	1 x 350mA	1	analog signal 0÷10V	
DLC1248-1CC500	12÷48V DC	1 x 500mA	1	N.O. button	
DLC1248-1CC500-005	12÷48V DC	1 x 500mA	1	potentiometer 0÷5V	
DLC1248-1CC500-010	12÷48V DC	1 x 500mA	1	analog signal 0÷10V	
DLC1248-1CC700	12÷48V DC	1 x 700mA	1	N.O. button	
DLC1248-1CC700-005	12÷48V DC	1 x 700mA	1	potentiometer 0÷5V	
DLC1248-1CC700-010	12÷48V DC	1 x 700mA	1	analog signal 0÷10V	

Any current value in range from 350mA to 950mA is available on demand.

Application: Dimmer

Constant voltage variants (common anode)

CODE	Supply Voltage	Output	Channels	Command	
DLC1248-1CV	12÷48V DC	1 x 8A max	1	N.O. button	
DLC1248-1CV-005	12÷48V DC	1 x 8A max	1	potentiometer 0÷5V	
DLC1248-1CV-010	12÷48V DC	1 x 8A max	1	analog signal 0÷10V	

Application: Dimmer

Protections

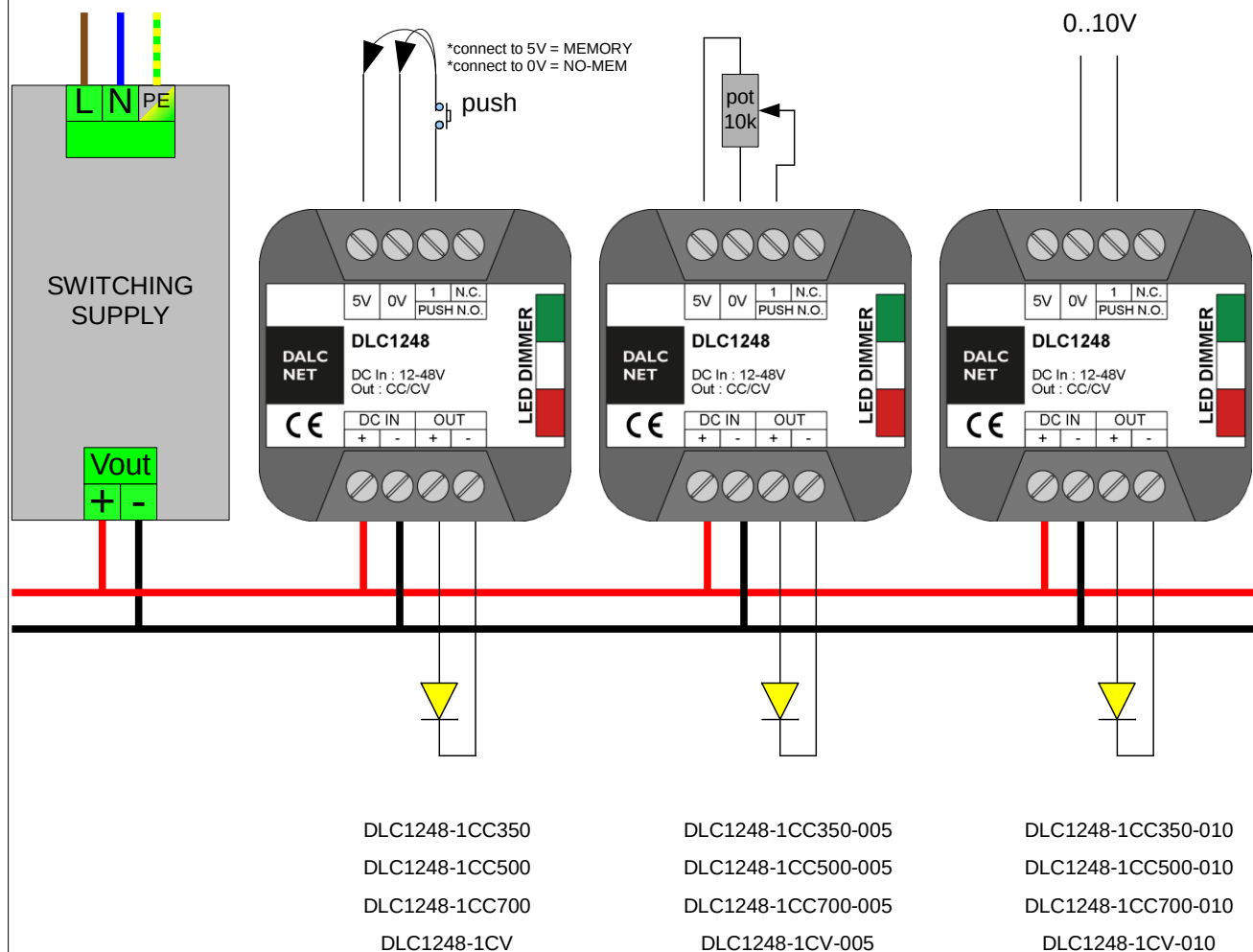
OTP	over temperature protection
OVP	over voltage protection
UVP	under voltage protection
RVP	reverse polarity protection
IFP	input fuse protection
SCP	short circuit protection
OCF	open circuit protection
CLP	current limit protection

Reference Standards

IEC/EN 61347-1	Lamp controlgear - Part 1: General and safety requirements
IEC/EN 61347-2-13	Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
IEC/EN 62384	DC or AC supplied electronic control gear for LED modules - Performance requirements
IEC 61547	Equipment for general lighting purposes - EMC immunity requirements
IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
ANSI E 1.3	Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification
IEC 60929-E.2.1	Control interface for controllable ballasts - control by d.c. voltage - functional specification

Technical Specifications

	<i>variant</i>			
	Constant Current			Constant Voltage
	350mA BTN / 005 / 010	500mA BTN / 005 / 010	700mA BTN / 005 / 010	BTN / 005 / 010
Supply Voltage	min: 10.8 Vdc .. max: 50,2 Vdc			
Input current	max 0,4A	max 0,5A	max 0,7A	= Iout
No-load power	< 0,3 W			
Output Voltage	min: Vin/4 max: Vin-0,6V			= Vin
Typ. output current	350 mA	500 mA	700 mA	max 8 A peak max 7,5A @20°C max 6,5A @40°C
Nominal power @12V	4 W	6 W	9 W	78 W
Nominal power @24V	8 W	12 W	16 W	156 W
Nominal power @48V	16 W	24 W	33 W	312 W
Thermal shutdown	150 °C			150 °C
Thermal shutdown	98%			98%
Input command impedance	100kohm			
PWM dimming frequency	250 Hz			
Storage temperature	min: -40 max: +60 °C			
Working temperature	min: -10 max: +40 °C			
Protection Grade	IP20			
Weight	35g			
Mechanical dimensions	44 x 44 x 25 mm			

Installation**Configuration****BUTTON**

- 1- *Memory Function*: The device stores its state in the event of blackout (buttons connected to 5V).
- 2- *Eco Function*: The device startups turned off in the event of blackout (buttons connected to 0V).
- 3- *Preset Function*: The installer stores the preset status (buttons connected to 5V during installation, next to 0V). The device starts from the preset in the event of blackout.

Use

BUTTON

DLC1248-1CC350	DLC1248-1CC500	DLC1248-1CC700	DLC1248-1CV
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Key	Function	
	Click Double Click Long pression (>1s) from OFF Long pression (>1s) from ON	ON/OFF Maximum intensity Turn ON at 10% (night) Dimmer UP/DOWN

POTENTIOMETER

DLC1248-1CC350-005	DLC1248-1CC500-005	DLC1248-1CC700-005	DLC1248-1CV-005
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Input	Function	
		Dimmer: 0V=0%, 5V=100%

0÷10V - 0÷10V

DLC1248-1CC350-010	DLC1248-1CC500-010	DLC1248-1CC700-010	DLC1248-1CV-010
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Input	Function	
		Dimmer: 0V=0%, 10V=100%

Technical Notes

- For the specific functions of bus or local commands, refer to the function handbook available on the manufacturer's website.
- The 0÷10V control input is compatible with sinking/sourcing 1÷10V controls. This product does not provide current sourcing.
- Installation and maintenance must be performed only by qualified personnel in compliance with current regulations.
- The product must be installed inside an electrical panel protected against overvoltages
- For the power supply is preferable to use a SELV power supply. In the case of using class I power supply, ALL points of the protective earth (PE = Protection Earth) must be connected to a valid protection earth .
- Keep 230V cables separate from circuits to low voltage (SELV)
- For the connection of the button, potentiometer, 0-10V inputs is preferable to use shielded and twisted cables and do not exceed the recommended length of 10m.
- To connect the DMX512, Modbus and DALI bus use cables as per specification of the respective protocols and regulations.
- It 'absolutely forbidden to connect, for any reason whatsoever, directly or indirectly, the 230V mains voltage to the bus or to other parts of the circuit.