

D-DIM

DALI-2 single channel 24/48V constant voltage LED dimmer

Dimmer LED singolo canale a tensione costante. Ingresso 24Vdc o 48Vdc, uscita PWM max 11A@24V e 7A@48V. Controllo tramite pulsante, segnali 0..10V e 1..10V, potenziometro e DALI-2.

Constant voltage single channel LED dimmer. 24Vdc or 48Vdc input, PWM output max 11A@24V and 7A@48V. Control via push button, 0..10V and 1..10V signals, potentiometer and DALI-2.



Modelli | Models

Model	Code	Description
D-DIM24	ZQ20-02R0	DALI-2 single channel 24V, 11A constant voltage LED dimmer
D-DIM48	ZQ20-03R0	DALI-2 single channel 48V, 7A constant voltage LED dimmer

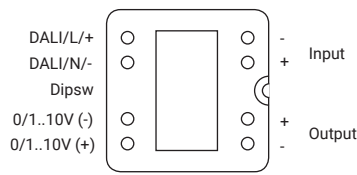
Specifiche tecniche | Technical specifications

	D-DIM24	D-DIM48
Control type	Constant voltage	
Input/Output voltage	24Vdc (Vout=Vin)	48Vdc (Vout=Vin)
Input/Output current	11A	7A
Nominal power	264W	336W
Power loss in standby mode (Psb)	<0,5W	
Power in stand-by mode on the network (Pnet)	<0,5W	
Power loss with no load (Pno)	<0,5W	
Load	Always ON	
Power Factor	λ 0,96	
Energy Efficiency (EE)	93%	
Type of Load	R	
Push button input	230Vac or 24/48Vdc	
0..10V input	Required current max 250 µA	
1..10V input	Supply current 250 µA	
Potentiometer	47K Ohm (Lin/Log)	
DALI-2 input	Required current 1,5 mA	
Sync	Via push button 230Vac or 24/48Vdc	
PWM dimming	250 Hz, 16 bit, range 0,5–100%	
Input configuration	Via dipswitch	
Connector block	Input, Output: screw terminals, cross section 1,5-2,5 mm ² DALI, 0-1..10V: screw terminals, cross section 0,75-1,5 mm ²	
Operating Environment	Ambient temperature (ta) -20°C to +50°C. Relative humidity 10% to 95%	
Housing	Plastic IP20	
Dimensions	41 x 47 x 20 mm	
Weight	33 g	
Standards & Legislation	DALI: 62386-102, 207 Approvals: EMC directive 2014/30/EU. LV directive 2014/35/EC. RoHS II directive 2011/65/EU, 2015/863/EU. WEEE directive 2012/19/EU	

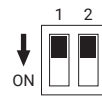
Safety: EN 61347-1: 2015; EN61347-2-11: 2001

EMC: EN 61000-3-2: 2014; EN 61000-3-: 2013, EN55015: 2013/A1: 2015; EN 61547: 2009 ETSI
EN 300-220-2 V3.1.1, ETSI EN 301-489-1 V2.1.1; ETSI EN 301-489-3 V2.1.1

Cablaggio | Wiring



Input selector (Dipsw)



1	2	Mode
OFF	OFF	DALI/Push 230Vac
OFF	ON	Push 24/48Vdc
ON	OFF	0..10V
ON	ON	1..10V

Installare in luogo idoneo e in assenza di tensione, rispettare i dati di targa. Dimensionare i cavi in base al carico.

Usare solo alimentatori SELV omologati per la sicurezza elettrica e le prestazioni di potenza adeguata al carico.

I collegamenti sono a bassa tensione, rispettare le distanze e gli isolamenti verso le linee a tensione di rete.

Impostazioni di fabbrica: ingresso DALI ATTIVO.

Togliere tensione per cambiare impostazione dei dipswitch.

Impostazione ingresso pulsante 230Vac: impostare i dipswitch come riportato in tabella e premere il pulsante una volta entro 10 secondi dall'accensione.

Impostazione DALI: impostare i dipswitch come riportato in tabella ed inviare un comando DALI entro 10 secondi dall'accensione.

Impostazione 0..10V, 1..10V, pulsante 24/48Vdc: impostare i dipswitch come riportato in tabella.

Tutte le impostazioni rimangono in memoria anche ad apparecchio spento.

Install in a suitable place and in the absence of voltage, respect the plate data. Size the cables according to the load.

Use only SELV power supplies approved for electrical safety and performance of adequate power for the load.

The connections are low voltage, respect the distances and insulation to the mains voltage lines.

Factory setting: DALI input ACTIVE.

Remove power to change the dipswitch setting.

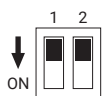
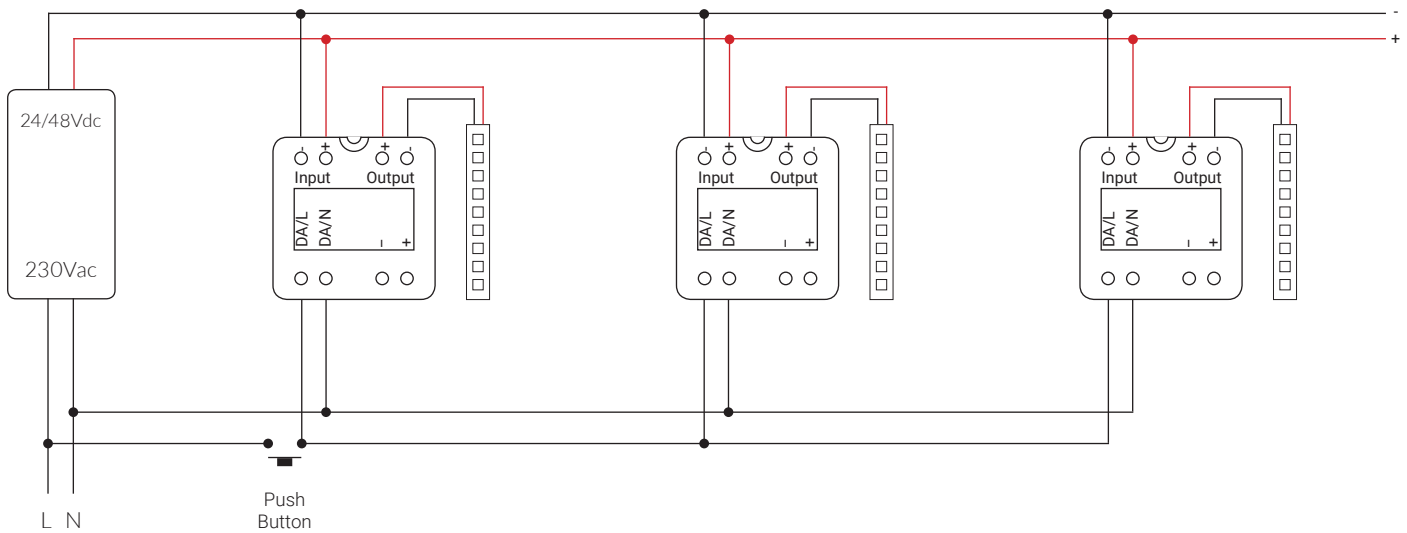
230Vac button input setting: set the dipswitches as shown in the table and press the button once within 10 seconds of switching on.

DALI setting: set the dipswitches as shown in the table and send a DALI command within 10 seconds of switching on.

Setting 0..10V, 1..10V, button 24 / 48Vdc: set the dipswitches as shown in the table.

All settings remain stored even when the appliance is switched off.

Controllo tramite Push Button @ 230Vac | Control via Push Button @ 230Vac



1	2	Mode
OFF	OFF	DALI/Push 230Vac

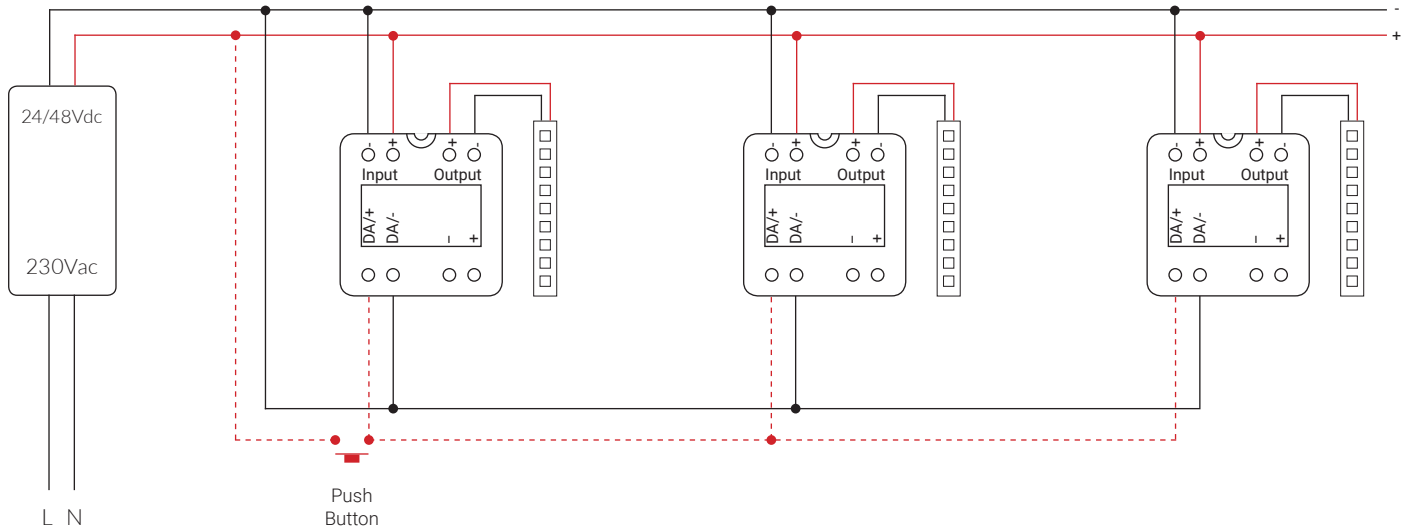
ATTENZIONE

Togliere tensione per cambiare impostazione dei dipswitch. Impostare i dipswitch come riportato in tabella e **premere il pulsante una volta entro 10 secondi dall'accensione.**

ATTENTION

Remove power to change the dipswitch setting. Set the dipswitches as shown in the table and **press the button once within 10 seconds of switching on.**

Controllo tramite Push Button @ 24/48Vdc | Control via Push Button @ 24/48Vdc

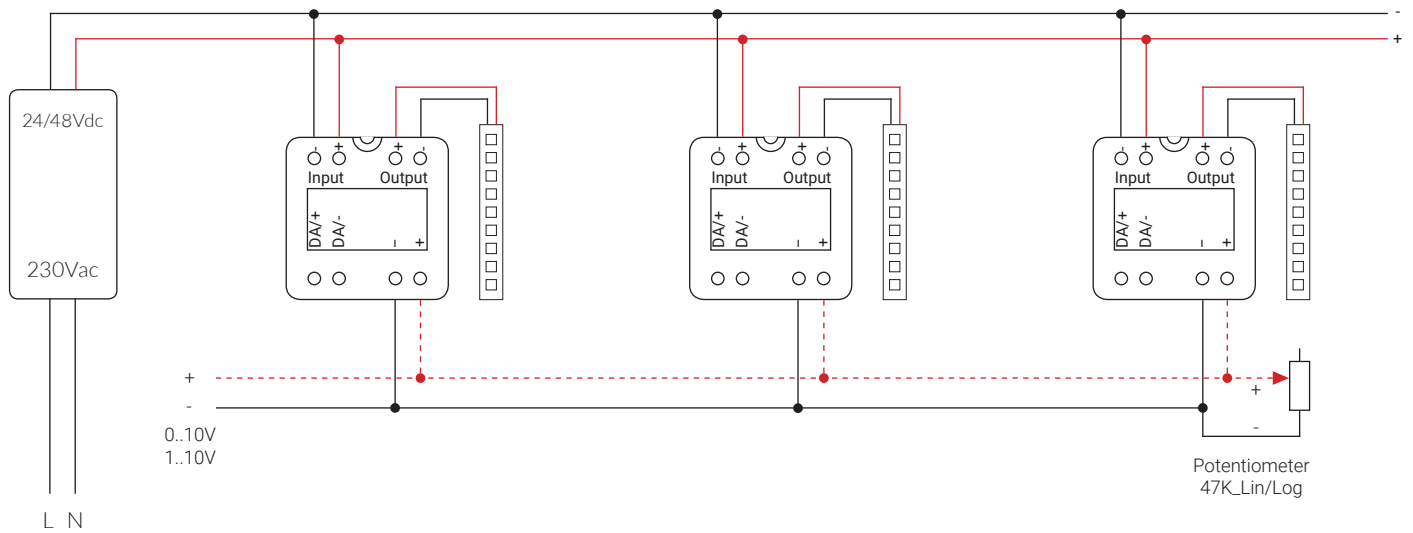


1	2	Mode
ON	OFF	Push 24/48Vdc

Togliere tensione per cambiare impostazione dei dipswitch. Impostare i dipswitch come riportato in tabella.

Remove power to change the dipswitch setting. Set the dipswitches as shown in the table.

Controllo tramite 0..10V o 1..10V | Control via 0..10V or 1..10V



1	2	Mode
ON	OFF	0..10V

Togliere tensione per cambiare impostazione dei dipswitch. Impostare i dipswitch come riportato in tabella.

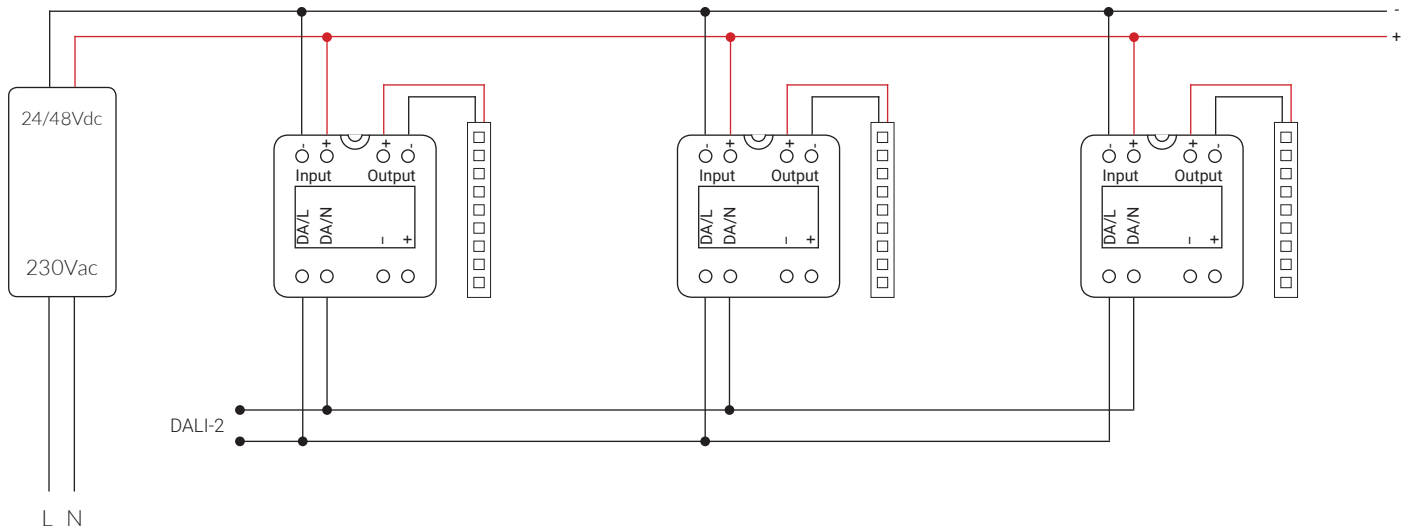
Remove power to change the dipswitch setting. Set the dipswitches as shown in the table.

1	2	Mode
ON	ON	1..10V

Togliere tensione per cambiare impostazione dei dipswitch. Impostare i dipswitch come riportato in tabella.

Remove power to change the dipswitch setting. Set the dipswitches as shown in the table.

Controllo tramite DALI-2 | Control via DALI-2



	1	2	Mode
ON	OFF	OFF	DALI/Push 230Vac

ATTENZIONE

Togliere tensione per cambiare impostazione dei dipswitch. impostare i dipswitch come riportato in tabella ed **inviare un comando DALI entro 10 secondi dall'accensione.**

ATTENTION

Remove power to change the dipswitch setting. set the dipswitches as shown in the table and **send a DALI command within 10 seconds of switching on.**