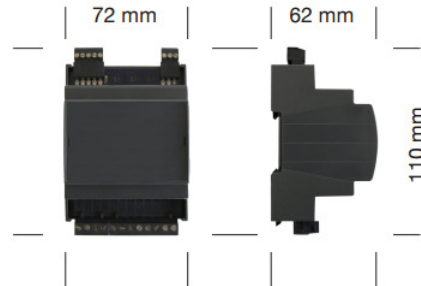
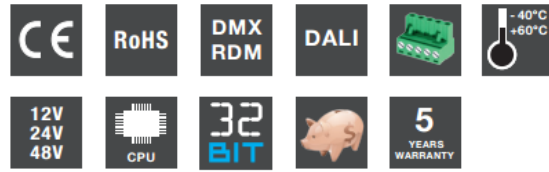


SERVER GATEWAY SGDD-C4-3 - DATASHEET



Caratteristiche / Features

Tensione di alimentazione	12-24-48 Vdc
Bus ETHERNET	10/100 Mbit
Bus DMX 512	512 slots NSC, SIP, RDM
Bus DALI	64 channels, buit in 125mA power supply

Normative di riferimento / Reference Standards

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
IEC/EN 62386-101	Digital addressable lighting interface - Part 101: General requirements - System
IEC/EN 62386-102	Digital addressable lighting interface - Part 102: General requirements - Control gear
IEC/EN 62386-207	Digital addressable lighting interface - Part 207: Particular requirements for control gear - LED modules (device type 6)
ANSI E 1.3	Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification
ANSI E1.11	Entertainment Technology - USITT DMX512-A - Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories
ANSI E1.20	Entertainment Technology-RDM-Remote Device Management over USITT DMX512 Networks

Specifiche tecniche - Technical Specifications

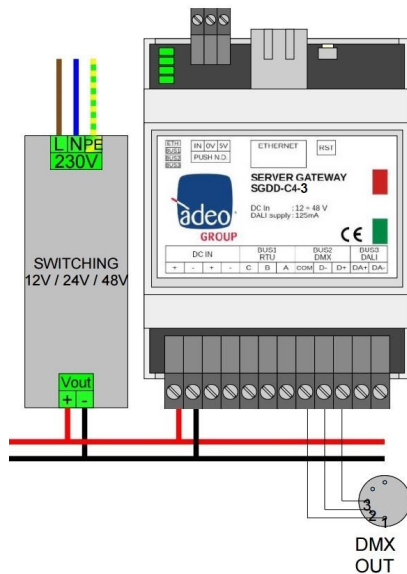
Tensione di alimentazione - Supply Voltage	min: 10.8 Vdc .. max: 50,2 Vdc																	
Corrente assorbita - Input Current	<table border="1"> <thead> <tr> <th>voltage</th> <th>min</th> <th>Typ*</th> <th>max</th> </tr> </thead> <tbody> <tr> <td>@ 12Vdc</td> <td>110mA (1,2W)</td> <td>320mA (3,84W)</td> <td rowspan="3">500mA</td> </tr> <tr> <td>@ 24Vdc</td> <td>60mA (1,44W)</td> <td>160mA (3,84W)</td> </tr> <tr> <td>@ 48Vdc</td> <td>40mA (1,92W)</td> <td>80mA (3,84W)</td> </tr> </tbody> </table>				voltage	min	Typ*	max	@ 12Vdc	110mA (1,2W)	320mA (3,84W)	500mA	@ 24Vdc	60mA (1,44W)	160mA (3,84W)	@ 48Vdc	40mA (1,92W)	80mA (3,84W)
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	*ethernet and all bus at full load																	
Temperatura di stoccaggio - Storage temperature	min: -40 max: +60 °C																	
Temperatura di esercizio - Working temperature	min: -40 max: +40 °C																	
Grado di protezione - Protection Grade	ALUMINIUM BOX: IP20 - PLASTIC BOX IP10																	
Peso - Weight	ALUMINIUM BOX: 230g - PLASTIC BOX 125g																	
Dimensioni Meccaniche - Mechanical dimensions	ALUMINIUM BOX: 105x70x47 - PLASTIC BOX: DIN RAIL 4mod.																	
ETHERNET	10/100 Mbit baseT FULL DUPLEX AUTO NEGOTIATION																	
DMX	NSC 512 slots Max units: 32 standard or 128 DALCNET (it depends on the wiring) open fail safe - short fail safe																	
DALI	Max 64 units, buit-in 125mA power supply																	

Adeo Group S.p.A.

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Installazione / Installation



Terminal block

Pin			
1	Vin		Vin+
2			Vin-
3			Vin+
4			Vin-
5	Modbus 1	C	Com
6		B	D-
7		A	D+
8	Modbus 2	C	Com
9		B	D-
10		A	D+
11	DALI		DA (+)
12			DA (-)

ETHERNET (Plug 8P8C)

Pin	RJ45/A (RJ45/B crossed)	RJ45/B (RJ45/A crossed)
1	White/Green	White/Orange
2	Green	Orange
3	White/Orange	White/Green
4	Blue	Blue
5	White/Blue	White/Blue
6	Orange	Green
7	White/Brown	White/Brown
8	Brown	Brown

Configurazione / Configuration

RST BUTTON:

Premuto / Press < 0.5s = reboot & switch to bootloader

Premuto / Press > 4s = factory default

DEFAULT IP ADDRESS: 192.168.1.4

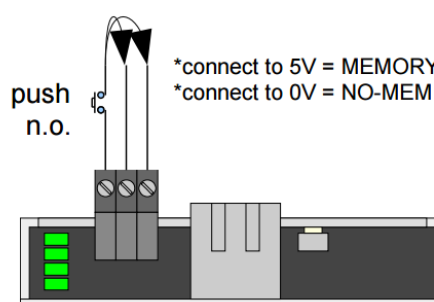
LED	FUNCTION	ON	BLINK	FAST BLINK	OFF
LED1 (top)	Ethernet	OK	NO Comunication	-	Error
LED2	BUS1 (DMX/RTU)	OK	NO Comunication	-	Error
LED3	BUS2 (DMX/RTU)	OK	NO Comunication	-	Error
LED4 (bottom)	BUS DALI	OK	NO Comunication	-	No power or short circuit

Pulsante Locale – Local Button

Il dispositivo è dotato di un contatto locale (normalmente aperto) che permette l'utilizzo in modalità stand-alone. Questa funzione, oltre a rappresentare una possibilità aggiuntiva per la gestione dei punti luce, è particolarmente utile per effettuare un test locale del dispositivo e delle apparecchiature ad esso collegate, realizzando in broadcast l'accensione, spegnimento, e dimmerazione dei punti luce.

The device has a local contact (normally open) which allows the use in stand-alone mode. This function, in addition to being a further possibility to manage the spot lights, is particularly useful to carry out a local test of the device and fixtures that are connected with, making on/off/dimmer function of the spot lights in broadcasting mode.

Pulsante - Key	Funzione - Function
Click - Click	Accendi/Spegni - ON/OFF
Doppio Click - Click Double	Intensità Massima - Maximum intensity
Pressione a lungo (>1s) da spento - Click Long pression (>1s) from OFF	Accendi al 10% (Notturmo) - Turn ON at 10% (night)
Pressione a lungo (>1s) da acceso - Long pression (>1s) from ON	Dimmer SU/GIU - Dimmer UP/DOWN



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SERVER GATEWAY SGDD-C4-3 - DATASHEET

Note Tecniche - Technical Notes

- L'installazione e la manutenzione deve essere eseguita solamente da personale qualificato nel rispetto delle normative vigenti.
- Il prodotto deve essere installato all'interno di un quadro elettrico protetto da sovratensioni.
- Per l'alimentazione utilizzare preferibilmente alimentatori di tipo SELV. In caso di utilizzo di alimentatori in classe I collegare obbligatoriamente TUTTI i punti di terra di protezione (PE = Protection Earth) ad un impianto di messa a terra eseguito a regola d'arte e certificato.
- Mantenere separati i cavi a 230V dai circuiti a bassissima tensione di sicurezza (SELV) e da tutti i collegamenti di questo prodotto.
- Per il collegamento del bus DMX512+RDM, Modbus, DALI usare cavi come da specifica dei rispettivi protocolli e normative vigenti.
- E' assolutamente vietato collegare, per qualunque motivo, direttamente o indirettamente, la tensione di rete 230V al bus o ad altri parti del circuito.
- Il dispositivo fa l'indirizzamento di DALI
- 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) and from any connection with this prouct.
- To connect the DMX512+RDM, 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.
- The device does the addressing of DALI devices

SERVER GATEWAY SGDD-C4-3 - DATASHEET

Integrazione con Control4 – Control4 Integration

- Il gateway viene fornito con il driver gratuito.
- Il driver funziona soltanto con l' SGDD-C4-3 (o SGDD-C4-2).
- Il gateway gestisce anche simultaneamente i bus DMX e DALI.
- Sono disponibili altri due driver luci a 1 canale e a 3 canali (RGB).
- Il gateway supporta RampToLevel in modo diretto via hardware.
- I 512 canali vengono abbinati ai driver luci in Connection.
- È possibile inviare comandi broadcast direttamente dal driver gateway.
- I driver luci supportano l'Advanced Lighting.
- The gateway comes with free drivers.
- The driver works only with the SGDD-C4-3 (or SGDD-C4-2).
- The gateway also runs simultaneously DMX and DALI bus.
- Available Two other lights Driver (1 ch and 3 ch RGB).
- The gateway supports RampToLevel directly in hardware manner.
- The 512 channels are combined with the lights driver in Connection.
- You can send broadcast commands directly from the gateway driver.
- The lights drivers support the Control4 Advanced Lighting.

In futuro verrà implementato l'SDDP. In the future it will be implemented the S.DDP