

MANUALE D'USO L511MA00C1A03

INDICE ARGOMENTI:

DESCRIZIONE

SPECIFICHE TECNICHE

TABELLA TENSIONE DI USCITA / POTENZA MASSIMA

COLLEGAMENTO DEL DISPOSITIVO

CONFIGURAZIONE PARAMETRI

L511MA00C1A03

Dimmer monocanale in corrente per Track A.A.G. Stucchi

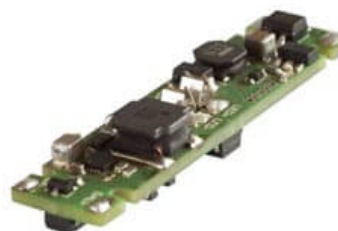
Dimmer Monocanale con uscita corrente costante con dimming analogico/ibrido.

Adatto a binari elettrificati in bassissima tensione A.A.G Stucchi.

Range di alimentazione: 10-53V DC.

Uscita in corrente programmabile da 0.25A a 1.05A - 64 step (Vedi tabella correnti / potenza).

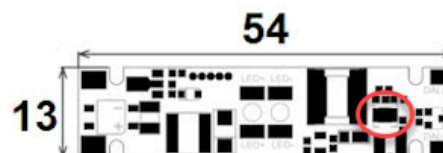
Per impostare le correnti di uscita occorre dotarsi di interfaccia L392MA00N0A01 venduta separatamente. Corrente di default 0.35A.



Ingressi di Controllo	
Tipologia	Qta
DALI	1

CARATTERISTICHE TECNICHE

- Dimmer Monocanale con uscita corrente costante con dimming analogico/ibrido.
- L'uscita in corrente costante analogico/ibrida prevede il dimming analogico tra i 1050 mA e i 250 mA indipendentemente dalla corrente impostata. I restanti valori di corrente media vengono generati effettuando il dimming PWM ad una frequenza di 390 Hz sul valore di corrente di 250 mA.
- Adatto a binari elettrificati in bassissima tensione A.A.G Stucchi.
- Range di alimentazione: 10-53V DC.
- Uscita in corrente programmabile da 0.25A a 1.05A - 64 step (Vedi tabella correnti / potenza).
- Potenza erogata 12.6W a 12V, 25.2W a 24V, 50.4W a 48V.
- Il dispositivo non è dotato di messa a terra.
- La protezione da contatti accidentali è garantita dall'enclosure.
- Connessione di ingresso alimentazione e segnali a saldare.
- Connessione di uscita verso il carico tramite connettori a innesto rapido verticali AWG18-24.
- Range Tensione di uscita 2.8VDC - 42VDC (Vedi tabella correnti / potenze).
- Ingressi di Controllo: DALI x1.
- Intervento Termico: 150 Gradi C. su uC.
- Temperatura stoccaggio Min: -40 Max: 60 Gradi C..
- Temperatura di funzionamento Min: -20 Max: 50 Gradi C..
- Circuito Stampato UL.
- Classe di protezione: IP20.
- Peso: 44 gr.
- Dimensioni Standard 13x54x10 mm.
- Protezione da inversione di polarità.
- Protezione circuito aperto.
- Protezione da picchi tensione.
- Protezione corto circuito.
- Filtro EMC integrato compliant con norma EN55105.
- Per alimentare il dispositivo deve essere utilizzato un alimentatore SELV al fine di mantenere il livello di sicurezza elettrica richiesta
- Tutti i collegamenti devono essere realizzati con apparati non in tensione ed effettuati da personale specializzato.
- Utilizzare solo in ambienti asciutti.
- Temperatura massima su componente Tc 105° C.

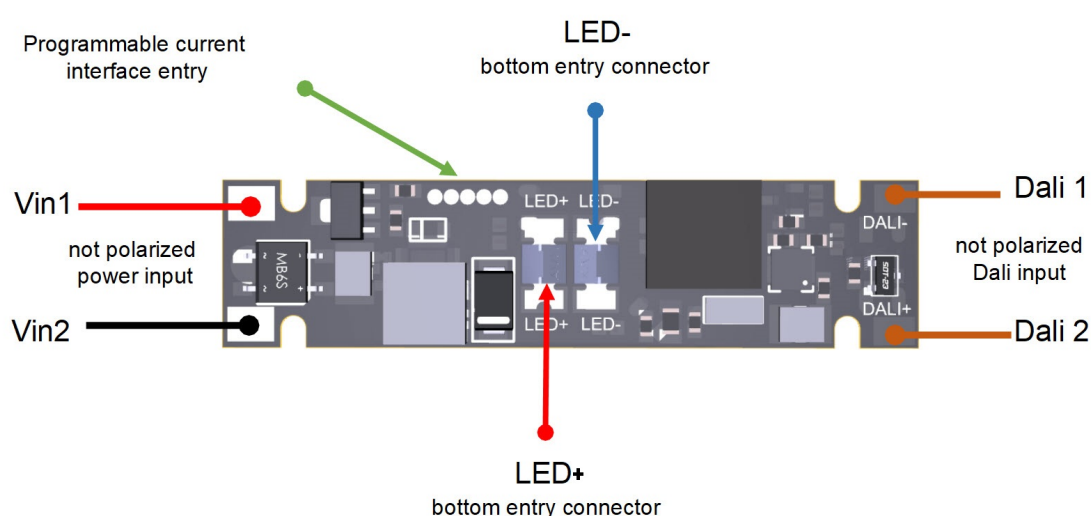


CODICE	TENSIONE IN INGRESSO	CORRENTE USCITA (MAX)	N. CANALI IN USCITA	INGRESSI DI CONTROLLO	SCATOLA	DIMENSIONI mm
L511MA00C1A03	10-53V DC	da 0.25A a 1.05A	1	DALI x1	NO	13x54 h 10

TABELLA TENSIONE DI USCITA / POTENZA MASSIMA

I OUT(mA)	MIN VDC	MAX VDC	MAX POWER (W)
350	2.5	43	15.05
500	2.5	43	21.50
600	2.5	43	25.80
700	2.5	43	30.1
1050	2.5	10	10.5

COLLEGAMENTO DEL DISPOSITIVO



SCHEMA COLLEGAMENTO L511MA00C1A03 - FIGURA N. 1

I dimmer L511MA00C1A03 devono essere alimentati tramite gli ingressi non polarizzati Vin1 e Vin2 vedi FIG. 1

Il carico LED deve essere collegato ai connettori LED + e LED -

Il segnale DALI deve essere collegato agli ingressi non polarizzati DALI 1 e DALI 2

La corrente max assorbita dal bus DALI è di circa 2mA.

Qui di seguito i comandi standard implementati:

DIRECT ARC POWER
 OFF
 UP
 DOWN
 STEP UP
 STEP DOWN
 RECALL MAX LEVEL
 RECALL MIN LEVEL
 STEP DOWN AND OFF
 ON AND STEP UP
 GO TO SCENE (0-15)
 RESET
 STORE ACTUAL LEVEL IN THE DTR
 STORE THE DTR AS MAX LEVEL

STORE THE DTR AS MIN LEVEL
STORE THE DTR AS SYSTEM FAILURE LEVEL
STORE THE DTR AS POWER ON LEVEL
STORE THE DTR AS FADE TIME
STORE THE DTR AS FADE RATE
STORE THE DTR AS SCENE (0-15)
REMOVE FROM SCENE (0-15)
ADD TO GROUP (0-15)
REMOVE FROM GROUP (0-15)
STORE DTR AS SHORT ADDRESS
QUERY STATUS
QUERY BALLAST
QUERY LAMP POWER ON
QUERY LIMIT ERROR
QUERY RESET STATE
QUERY MISSING SHORT ADDRESS
QUERY VERSION NUMBER
QUERY DEVICE TYPE
QUERY PHYSICAL MINIMUM LEVEL
QUERY POWER FAILURE
QUERY CONTENT DTR1
QUERY CONTENT DTR2
QUERY ACTUAL LEVEL
QUERY MAX LEVEL
QUERY MIN LEVEL
QUERY POWER ON LEVEL
QUERY SYSTEM FAILURE LEVEL
QUERY FADE TIME/FADE RATE
QUERY SCENE LEVEL (0-15)
QUERY GROUPS (0-7)
QUERY GROUPS (8-15)
QUERY RANDOM ADDRESS H
QUERY RANDOM ADDRESS M
QUERY RANDOM ADDRESS L

Manuale aggiornato al 18/09/2017

CONFIGURAZIONE PARAMETRI

CLICCA SULLA CONFIGURAZIONE DESIDERATA PER VISUALIZZARE L'IMMAGINE DEL PROGRAMMATORE

Reset														
Configurazioni	A	B	C	D	1	2	3	4	5	6	7	8	9	10
Reset	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

Corrente														
Configurazioni	A	B	C	D	1	2	3	4	5	6	7	8	9	10
170 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
182 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
195 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
210 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
222 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
235 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
250 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
260 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
270 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
290 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
300 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
315 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
330 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
345 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
355 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
370 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON
385 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
395 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
410 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
425 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
438 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
450 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
465 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
480 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON
490 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
500 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
515 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
530 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON
545 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
560 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON
575 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF
585 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
600 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
615 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
626 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
640 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
653 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
667 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
680 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
694 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	ON
707 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF

721 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
734 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
748 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	ON
761 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
775 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	ON
788 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF
802 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON
815 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
829 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
840 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
855 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	ON
870 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
880 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	ON
895 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON	OFF
910 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON	ON
920 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
935 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	ON
950 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON	OFF
965 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON	ON
975 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF
990 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	ON
1020 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	OFF
1050 mA	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON