

LED-dimtrafo FDIM/DALI/PUSH 24V 75W

hidealite

(mm)

E-nr	Snro	El.nr	GTIN	Name
7982339	4011456	6600303	7392971146324	LED-dimtrafo FDIM/DALI/PUSH 24V 75W

For explanation of symbols see www.hidealite.se

CE

IP20

SELV

25

110

24V DC

-20°C ~ +45°C

PUSH 230V

DALI 2

X

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.
- Installera INTE med ström ansluten till enheten.
- Utsätt INTE enheten för fukt.

- Dimmable LED driver with DALI/ Push + Triac + 0/1-10V dimming interfaces
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Built-in DALI-2 interface, DALI DT6 device
- 1 channel 24Vdc output, max. output power 75W
- Enables to control single color LED lighting
- Class II power supply, full isolated plastic case
- High power factor and efficiency
- Compatible with universal DALI master that support DT6 commands
- Compatible with universal Triac dimmers
- Compatible with universal 0/1-10V dimmers
- 0.1-100% dimming depth, deep and smooth dimming
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

SAFETY INSTRUCTIONS

- en

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no

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pl

fr

en Read these instructions carefully before commencing installation and retain for future reference. All connections to the driver must only be made by a qualified electrician or a person with the necessary expertise in electrical installation in accordance with the relevant rules and standards. Make sure that the power is off before installation or maintenance.

sv Läs dessa instruktioner före installationen påbörjas och lämna den vidare till brukaren av anläggningen. All anslutning till drivdonet får endast utföras av behörig elektriker eller person med nödig kännedom om elektrisk installation i enlighet med gällande regler och standarder till att spänningen är frånslagen före installation eller underhåll.

fi Lue nämä ohjeet ennen asentamista ja luovuta ohjeet valaisimen seuraavalle käyttäjälle. Kytkenät ohjaimen saa tehdä ainoastaan pätevä sähköasentaja tai sähköasennukset hallitseva henkilö voimassa olevien määräysten ja standardien mukaisesti. Varmista, että jännite on katkettu päältä ennen asennusta ja huoltoa.

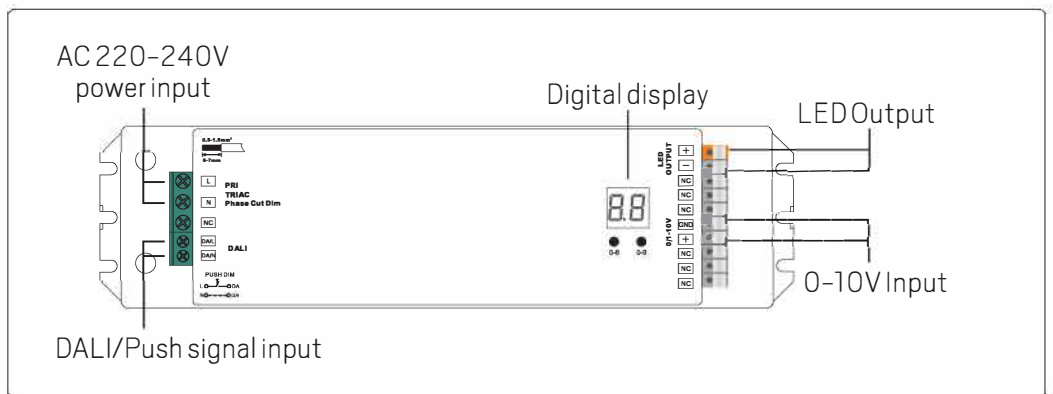
no Les disse instruksjonene før du starter installeringen, og gi den deretter videre til anleggets bruker. All tilkobling til omformerens skal utføres av godkjent elektriker eller person med nødvendig kunnskap om elektrisk installasjon i henhold til gjeldende forskrifter og standard. Sørg for at strømmen er koblet fra før installering og ved vedlikehold.

da Læs disse anvisninger før du starter installationen og aflever vejledningen til anlæggets bruger. Alle tilslutninger på konverteren skal udføres af en autoriseret elinstallatør i overensstemmelse med gældende regler og standarder. Afbryd spænding før installation og vedligeholdelse.

de Lesen Sie diese Anweisungen sorgfältig, bevor Sie mit der Installation beginnen, und bewahren Sie sie für späteres Nachschlagen auf. Sämtliche Anschlüsse am Treiber dürfen nur von einem qualifizierten Elektriker oder einer Person mit der notwendigen Fachkenntnis im Bereich Elektroinstallationen und in Übereinstimmung mit den geltenden Richtlinien und Normen vorgenommen werden. Stellen Sie vor Installations- oder Wartungsarbeiten sicher, dass keine Spannung mehr anliegt. **Przed przystąpieniem do instalacji należy się uważnie zapoznać z instrukcją i zachować ją na przyszłość. Wszystkie połączenia prowadzące do sterownika muszą zostać wykonane przez wykwalifikowanego elektryka bądź osobę posiadającą niezbędną wiedzę specjalistyczną w zakresie instalacji elektrycznych zgodnie z obowiązującymi przepisami i normami. Przed instalacją lub konserwacją wyłączyć zasilanie.**

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fr Lisez attentivement ces consignes avant de commencer l'installation. Pensez également à vous y reporter ultérieurement. Tous les raccordements au moteur doivent uniquement être effectués par un électricien qualifié ou par un individu qui dispose de l'expertise requise en matière d'installation électrique, conformément aux normes et aux règles pertinentes. Veillez à couper le courant avant l'installation et toute opération de maintenance.



Output	LED Channel	4
	DC Voltage	24V DC
	Max. Current	Max. 3.12A
	Voltage Tolerance	±3%
	Rated Power	max. 75W
Input	Voltage Range	220-240V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.95
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	86% @ 230VAC full load
	AC Current (Typ.)	0.38A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 13A at 230VAC
	Leakage Current	< 0.5mA/230VAC
Control	Dimming Interface	DALI DT6/ 0-10V/ TRIAC/ PUSH DIM
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation
Protection	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed
Environment	Working Temp.	-20°C ~ +45°C
	Max. Case Temp.	85°C (Ta = +45°C)
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH

Safety&EMC	Safety Standards	EN61347-1, EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11, surge immunity Line-Line 1kV
Others	MTBF	189700H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	244x64x32mm (L*W*H)

Operation

1. Dimming Interface Selection

- 1.1. The LED driver supports 4 kinds of dimming input: DALI, Push, Triac, 0/1-10V.
- 1.2. Please select any of the 4 dimming interfaces to wire each time.
- 1.3. To connect a new dimming interface, previously connected dimming interface must be disconnected, once a new dimming interface is connected, please re-power on the driver to switch to current dimming interface.
- 1.4. DO NOT connect more than 2 (including 2) dimming interfaces simultaneously.
- 1.5. The digital display will show different information while connected to different dimming inputs:

Triac: Pc (phase cut) 8.8 , DALI: 00 (DALI address) 00 , Push Dim: Pd 8.8 , 1-10V: (1-t) 8.8
 after connecting a new dimming input, re-power on the driver, display will show Pc, control with current dimming input, the display will automatically change to show corresponding information of current dimming.

2. Set DALI Address Manually While Connected with DALI Input



- 2.1 Press and hold down any of the two buttons until numeric digital display flashes, then release the button.
- 2.2 Click any of the two buttons once to select a digit, click again to change the digit until the desired DALI address appears. Click first button to set “tens” position and second button to set “units” position. The address can be set from 00 ~ 63.
- 2.3 Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

Note: DALI address can be manually assigned from 00-63-FF, by factory defaults, no DALI address is assigned for the driver, and the display shows FF . Setting DALI address as FF will reset the dimmer to factory defaults.

3. DALI Address Assigned by DALI Masters

- 3.1 DALI address can also be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.
- Note: The digital display will show AU when the DALI master is assigning addresses.**

4.PUSH Dimmer Mode

While connected with an AC push switch, the digital display will show “PD” which means Push Dimmer Mode, operations under PUSH Mode are as follows:

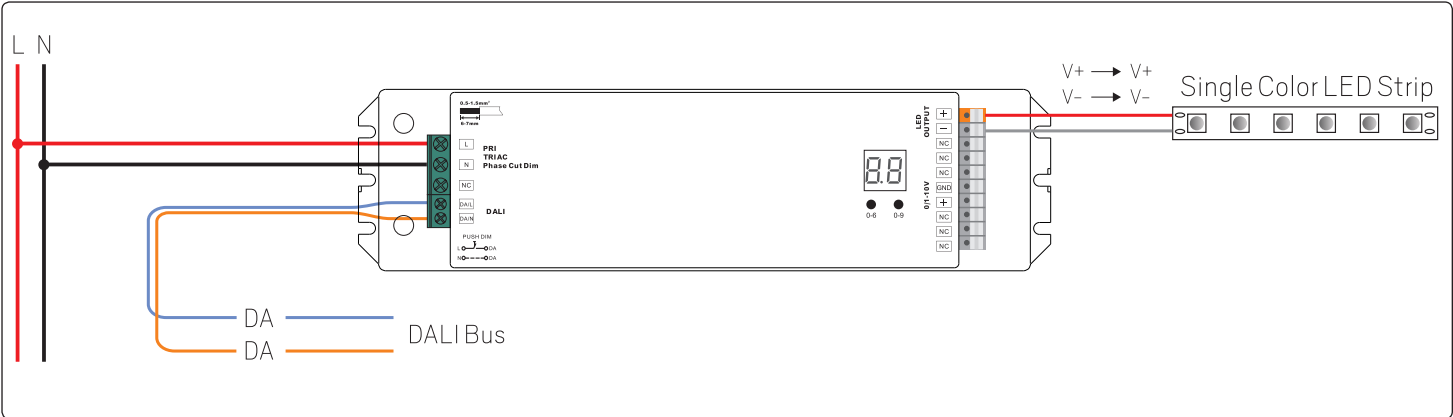
- 4.1. Click the button to switch ON/OFF
- 4.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- 4.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

5. Triac Dimming Input

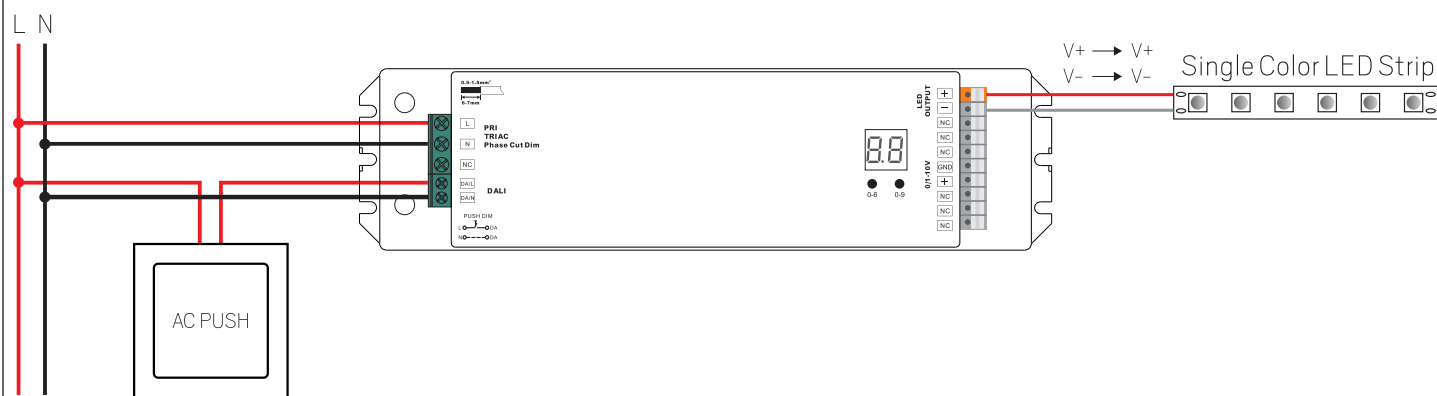
While connected with a Triac dimmer, different Triac dimmers from different suppliers may have different minimum dimming levels which the driver can not be dimmed below. To dim to 1%, please make sure the dimmer supports 1% minimum dimming level.

Note: please make sure to set a minimum dimming level when using one TRIAC dimmer to control multiple drivers in parallel to prevent flicker phenomenon of the drivers when dimmed to a low level.

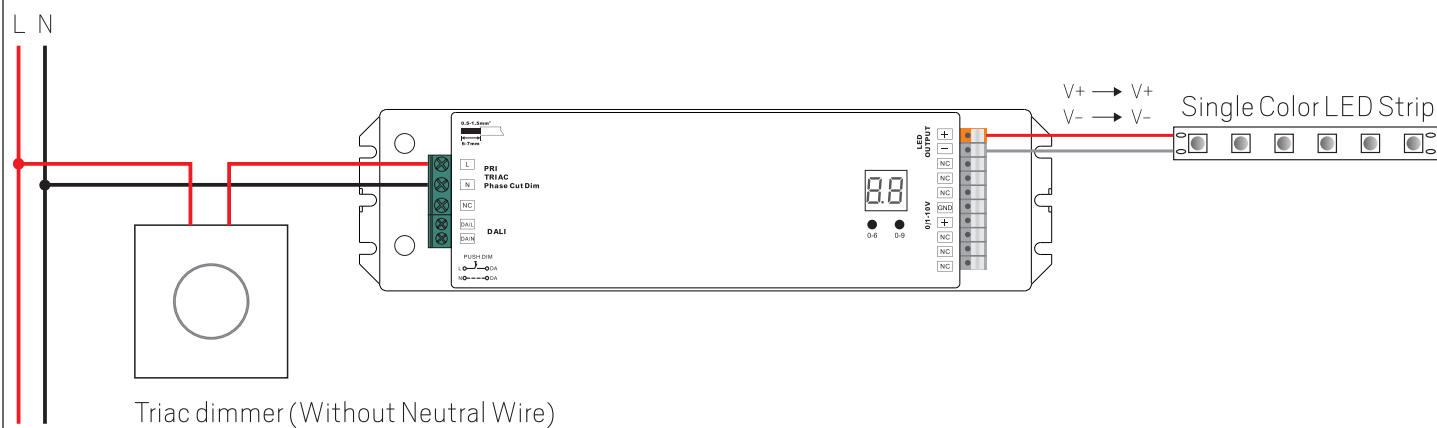
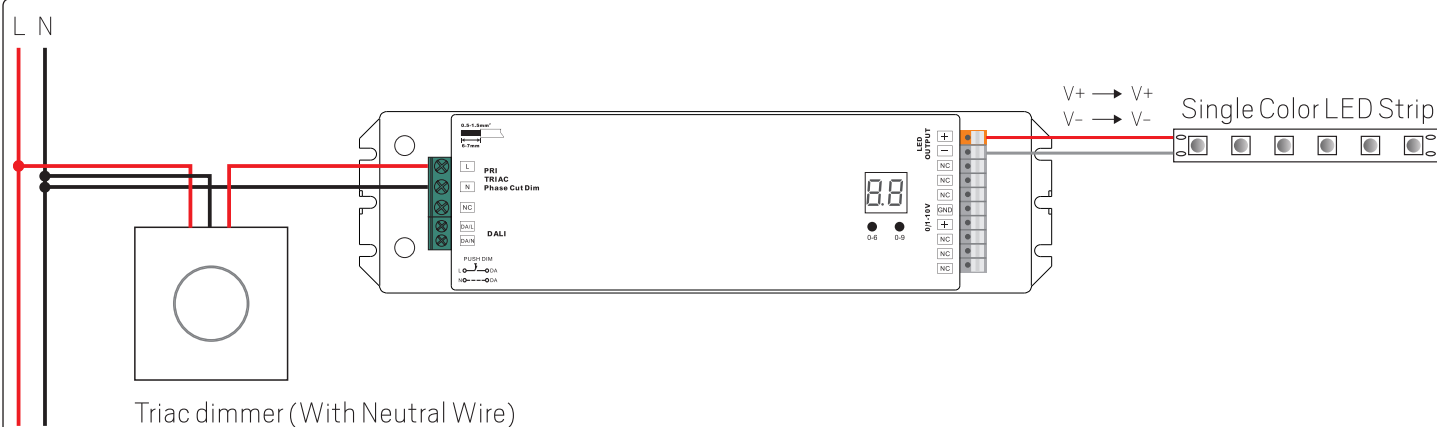
Wiring diagram – With DALI bus



Wiring diagram - With PUSH dimmer



Wiring diagram - With Triac dimmer



Wiring diagram - With 0/1-10V dimmer

