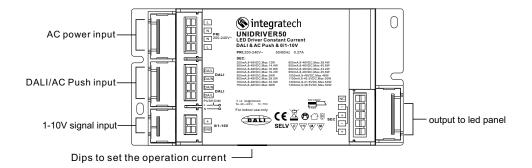


UNIDRIVER50

Important: Read All Instructions Prior to Installation Function introduction



I B=J9FG5@@988F=J9F': CF'@98D5B9@G

- Dimmable LED driver with DALI & AC Push & 1-10V dimming interfaces
- 1 channel constant current output, max. output power 50W
- Output current 500mA-1300mA selectable by DIP switch
- Enables to control single color LED lighting
- Class Oppower supply, full isolated plastic case
- High power factor and efficiency
- Complies to IEC 62386-101, IEC 62386-102, IEC 62386-207
- Compatible with universal DALI masters that support DT6 commands
- · Compatible with universal 1-10V dimmers
- IP20 rating, suitable for indoor LED lighting applications

!! Always switch off the power before changing the dip switches !!

Settings for Integratech QT panel series

30W:750mA 36W:900mA

Settings for Integratech MANGA panel series

30W: 750mA 36W: 900mA 40W: 1000mA 50W: 1200mA

Toolless connection range: 0,75~2,5 mm²

Product Data

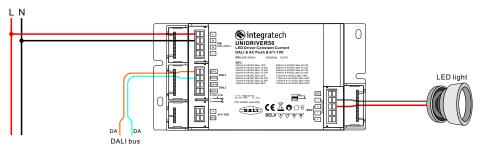
	LED output	1								
Output	Selectable Current					500mA	600mA	700mA	750mA	
	DC Voltage Range					8-48V	8-48V	8-48V	8-48V	
	Selectable Current	800mA	850mA	900mA	950mA	1000mA	1100mA	1200mA	1300mA	
	DC Voltage Range	8-48V	8-48V	8-48V	8-48V	8-48V	8-45V	8-41V	8-38V	
	Current Accuracy	±3%								
	Rated Power	50W								
Input	Voltage Range	200-240V AC								
	Frequency	50/60Hz								
	Power Factor (Typ.)	>0.9								
	Efficiency (Typ.)	> 87% @ 230VAC								
	Input Current	0.27A @ 230VAC								
	Inrush Current (Typ.)	COLD START Max. 2A @ 230VAC								
Control	Dimming Interface	DALI & AC Push & 1-10V (current draw <1mA)								
	Dimming Range		1%-100%							
Protection	Short Circuit	Yes, auto recovery after fault removed								
	Over Current	Yes, auto recovery after fault removed								
	Over Temperature	Yes, auto recovery after fault removed								

Environment	Working Temp.	-20°C ~ +45°C			
	Max. Case Temp.	85℃			
	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			
	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 0.5KV			
Others	MTBF	193.6K hrs min.@ 230VAC at full load and 25℃ ambient temperature			
	Dimension	164.6*83*34.5mm (L*W*H)			

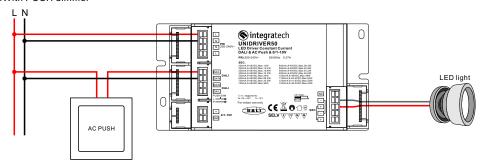


Wiring Diagram

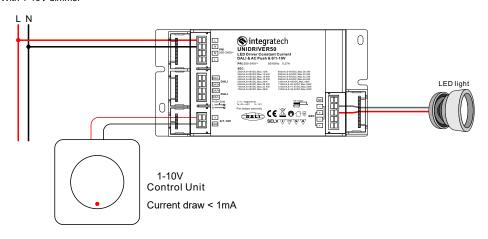
1.With DALI bus



2. With PUSH dimmer



3.With 1-10V dimmer



Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT set the operation current with power applied
- DO NOT expose the device to moisture.

Operation

1. Dimming Interface Selection

- 1.1. The LED driver supports 3 kinds of dimming input: DALI, Push, 1-10V.
- 1.2. Please select any of the 3 dimming interfaces to wire each time.
- 1.3. To connect a new dimming interface, previously connected dimming interface must be disconnected.
- 1.4. DO NOT connect more than 2 (including 2) dimming interfaces simultaneously.

2. DALI Address Assigned by DALI Masters

While connected with DALI interface, 1 DALI address can be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

PUSH Dimmer Mode

While connected with a AC PUSH, the driver will be in Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

- 3.1. Click the button to switch ON/OFF
- 3.2. 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%.
- 3.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

PUSH Dimmer Mode synchronizing when using multiple drivers:

When using the push function on multiple drivers, the push function must be synchronized. If some drivers turn on while others turn off:

Step 1: keep the push button pressed

Drivers that are switched on go to 0% dimming, then the drivers that are switched off go to 100% dimming.

Only release the push button when the drivers that are still active have reached their maximum level.

Step 2: briefly press the push button

The drivers that now operate at maximum level will be disabled. All drivers must now be disabled.

Step 3: keep the push button pressed

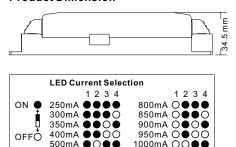
All drivers will now dim from 0 to 100%. Release the push button when all drivers have reached their maximum level.

All drivers are now synchronized.

700mA ● ○ ○ ●

750mA ● ○ ○ ○

Product Dimension



1100mA \(\cdot \cdot \cdot \cdot \)

1200mA OOO

1300mA OOOO

