5601230 SICOM ED-S 600 IP67 48V DALI

Summary

SICOM ED-S 600 48V DALI is a dimming driver that can provide constant voltage output.
Complies with DALI standard protocol IEC 62386. Use DALI master or DALI panel dimming ,
with smooth dimming curve and are flicker free.

Product Features

·Single channel output with 48V CV direct current

·With built-in active PFC function

·Meet DALI protocol IEC 62386-207

·Ultra-thin design, Waterproof level IP67, High effciency up to 94%

·Dimming effect smooth, no flicker

·Protections: Short circuit, over load, over voltage, lightning protection

·suitable for LED CV lighting, such as LED module, LED strip light, LED tube, and so on

Application

| Wall Washer | LED Strip Light | LED Tube | Underground Light | Air Venture Light |

Technical Paramaters

| Model		5601230 SICOM ED-S 600 IP67 48V DALI
Input	Efficiency	94%@230VAC,Full load
	Voltage	220VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.96@230VAC,Full load
	THD(full load)	<10%@230VAC, Full load
	Standby Power	≤2W
	AC Current(max)	4Amax@230VAC
	Inrush Current(max)	Cold start,73.5A@230VAC 160us
Output	Current(mA)	12.5A
	Voltage (VDC)	48VDC
	Power(W)	600W
	Channel	1
	Current Tolerance	±5%
	No load output voltage	48V ±5%
	Turn on delay Time	<0.75s, at230Vac (When the light begins to shine)
Function	Dimming Type	DALI , Push DIM
	Dimming Range	5%-100%
Protection	Short Circuit	after fault removed Close output ,the output current recovers automatically
	Over Voltage	Reduced current hiccup protection
	Over Load	Reduced current hiccup protection
Safety& EMC	Surgy	L-N 6KV L-PE 10KV N-PE 10KV
	Withstand Voltage	I/P-O/P: 3750Vac/1min/<5mA I/P-GND:1500Vac/1min/<5mA O/P-GND:500Vac/1min/5mA O/P-DIM(Signal port):1500Vac/1min/<5mA
	Safety Standards	EN61347, GB19510
	EMC Eission	EN50515, EN61000-3-2
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
Others	Working Temp.	-20℃~50℃
	Storage Temp., Humidity	-40℃~85℃, 20-90%RH
	tc	90℃
	Material	Metal
	IP Rating	IP67
	Lifetime	50,000h@tc:90℃
	Warranty Condition	5 years
	Switch Cycle	>25,000 times
	Packing(weight)	Net weight: --g±5%/PCS; 10PCS/Carton; --kg±5%/Carton; Carton Size595*320*168mm(L*W*H)
	Dimension	271*131*50mm （L*W*H）

Dimension(mm)

271

87

131

260

50

DALI Wiring

DA1 (Purple)

Master

DA2 (Pink)

DALI Master

(Brown) **ACL**

(Blue) **ACN**

LED+ (Red)

(Green/Yellow) ⏚

LED- (Black)
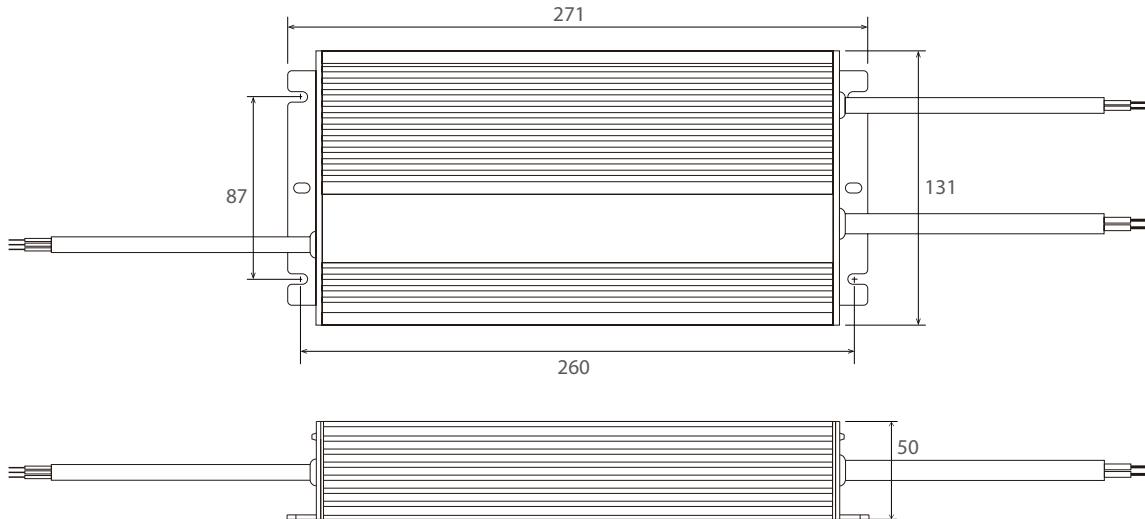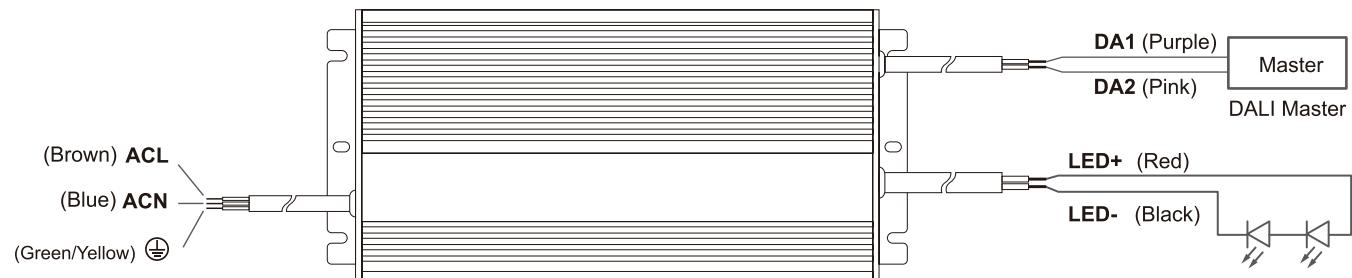
Push DIM(Touch DIM) Diagram

L N

Push DIM

L
N
GND

INPUT

DALI

DA1
DA2

OUTPUT

LED+
LED-

LED Strips

L
N
GND

INPUT

DALI

DA1
DA2

OUTPUT

LED+
LED-

LED Strips
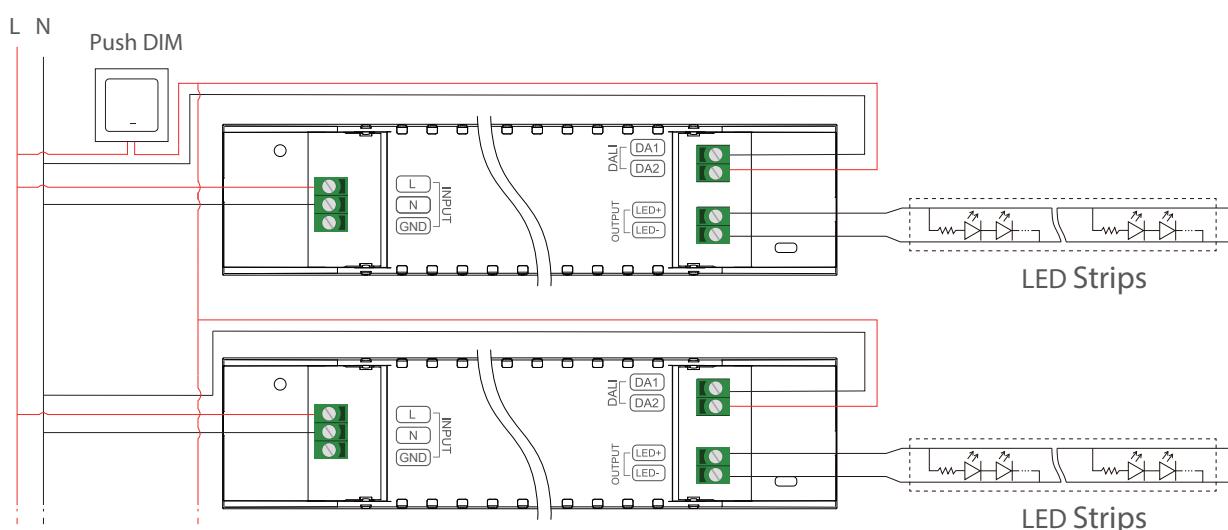
Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

Push DIM Function

1. Press the Push DIM (Touch DIM) switch for 8s or more,the driver can be controlled via Push DIM switch.

2. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.

3. Long press the Touch DIM switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.

4. Double-click the Touch DIM switch (<0.3s), then all lamps connected on the device will be set maximum brightness.

5. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Touch DIM switch.

6. With the Power off memory function, the power-down state will be recovered when power on again.

Dimming Curve
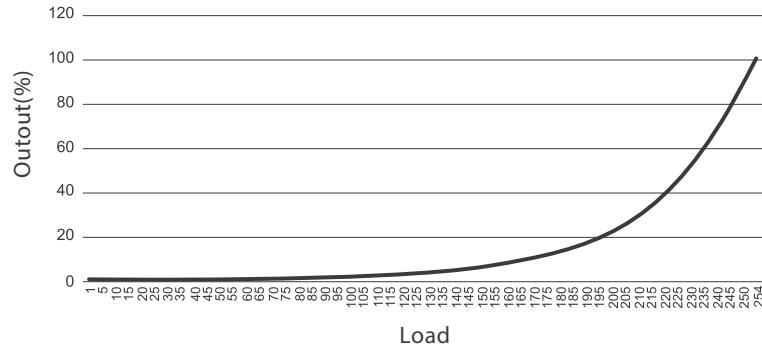
Cautions

1.This product should be installed by qualified personnel.

2.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.

3.Please make sure LED power supply output voltage, current is used to meet the product requirements.

4.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable tightly in the connector.

5.In case of malfunction, do not repair it yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions,
   the function of the product shall prevail.Please contact us if you have any questions : tecnico@sicom-pd.it