150238 Driver

200W 24V Constant Voltage Dimmable Driver

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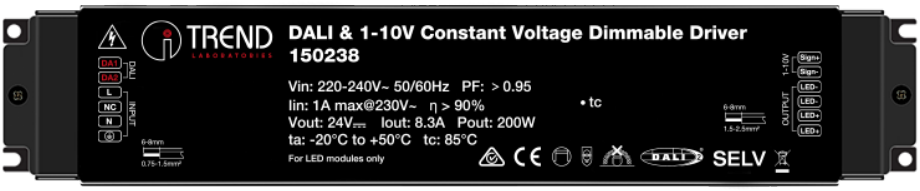
Trend Laboratories

Product Code	Dimming & Controls
150238	DALI | 1-10V

Order Code **150238**



Driver Compliance

SELV

Product Attributes

DC 24V | DALI DIM | 1-10 DIM | IP20 | NON IC

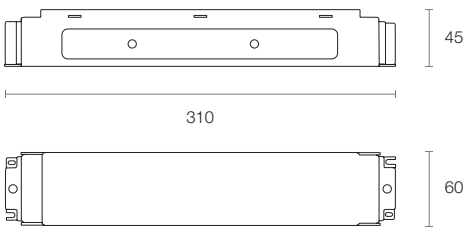
Product Features

- Single-channel constant voltage output
- Supports DALI, 1-10V, active signal, adjustable resistance, PWM, and Touch DIM for a smooth dimming effect on supported 24V constant voltage lights
- Short circuit protection (SCP); Over voltage protection (OVP); Over current protection (OCP)
- Suitable for indoor LED lighting applications, such as LED strips, spot light and wall washer

Physical Characteristics

Driver Colour	Black
Dimensions (LxWxH)	310 x 60 x 45 mm
Weight	815 g

Dimensions (mm)



Output Parameters

Voltage	24V DC
Current	8.3A
Wattage	200W
Voltage Accuracy	±3%

Input Parameters

Voltage	220-240V AC 50/60Hz
Current	1A*
Efficiency	92%
Power Factor	>0.95

* Inrush Current: Cold start, 27A @240V AC

General Characteristics

Dimming Mode	DALI | 1-10V
Protection	SCP, OVP, OCP
Working Temperature	-20°C to 50°C
tc	90°C
Ingress Protection	IP20
Insulation Contact	Non-IC
Lifetime	30,000 hours

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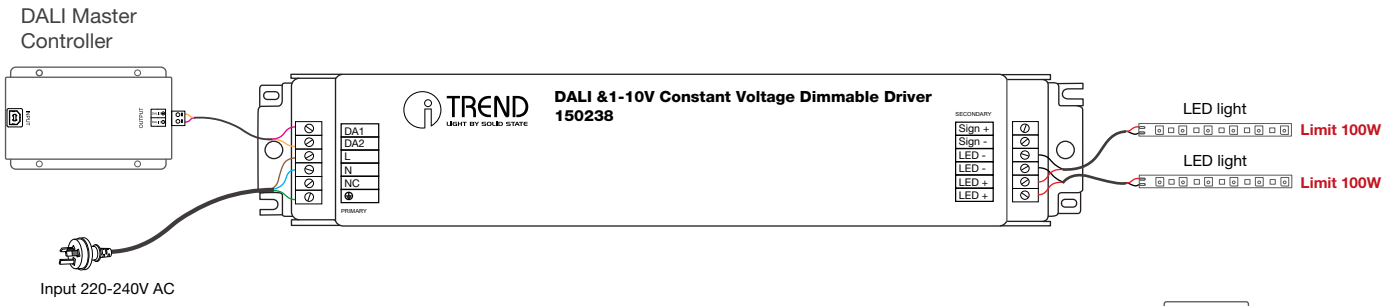
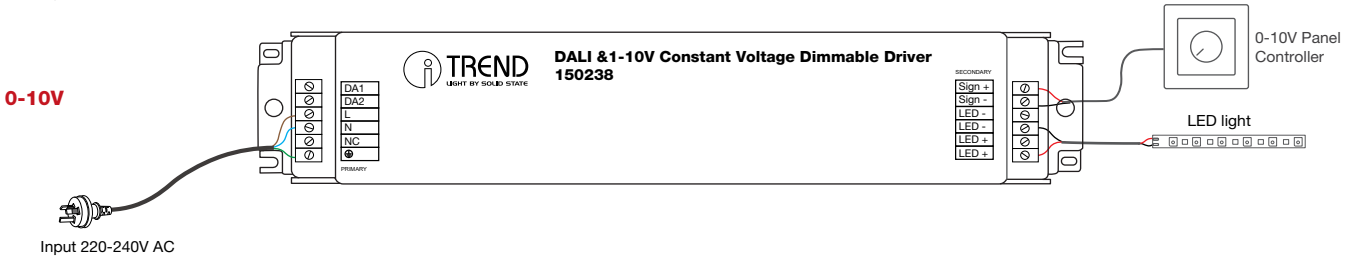
Wiring Diagram

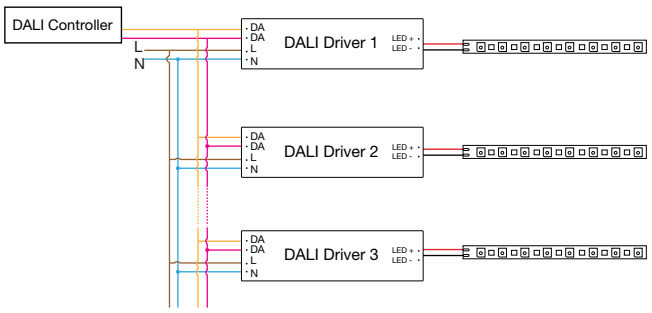
DALI



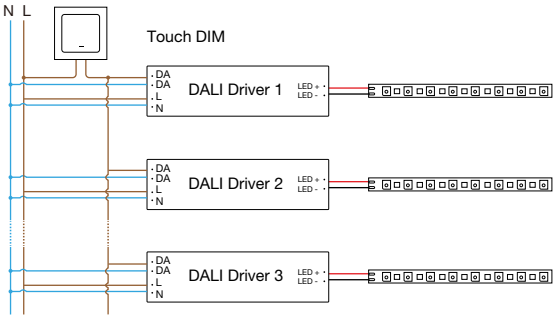
0-10V



DALI Diagram



Touch DIM Diagram *



* Note: Only use open push button without indicator light. Maximum cable length between each unit: 20 meters.

Touch DIM Function

1. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.
2. Long press the Touch DIM switch (>0.5s) to dim the brightness of light.
   The dimming direction will change every time after pressing switch.
3. Double-click the Touch DIM switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
4. 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.
5. With the Power off memory function, the power-down state will be recovered when power on again.

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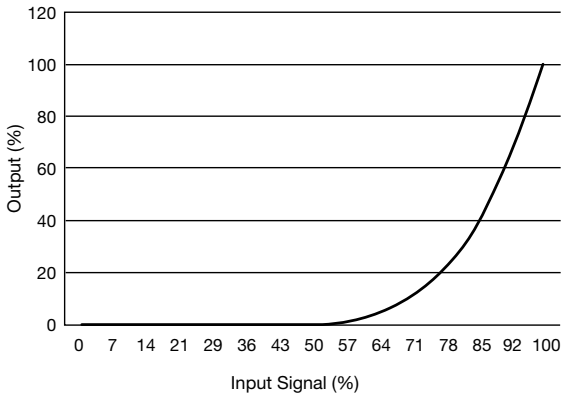
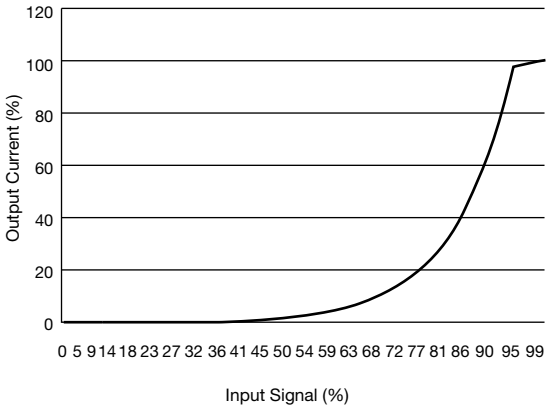
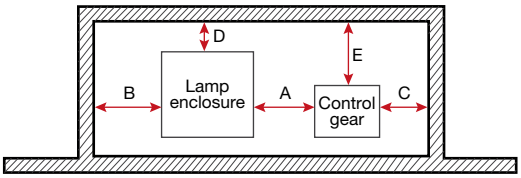
Dimming Curve



1-10V/ PWM/ Adjustable Resistance



Installation Space



Note: Installation space distance is shown in the figure above,
A≥100mm, B≥300mm, C≥100mm, D≥100mm, E≥100mm

Cautions

1. The product must be installed by a licensed electrician.
2. DALI and Touch DIM functions cannot be used simultaneously.
3. This product is not waterproof. When used for exterior lighting application, please ensure that the driver is not subject to water ingress.
4. Good heat dissipation will prolong the working life of the LED Driver. Ensure the driver is mounted in a location with adequate ventilation.
5. Ensure the output voltage and current of the driver meets the requirements of the LED they are powering.
6. This product is not user serviceable. If a fault occurs, return the driver to your supplier.

The contents of this manual may be updated without prior notice.
If you are uncertain about any of the driver specifications or instructions,
please contact Trend Lighting for the most up-to-date copy of this document.

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