

CLASS I/II OUTDOOR LED DRIVERS WITH IMPROVED PERFORMANCE



EUD-150SxxDTA / EUD-150SxxDDA

Inventronics is pleased to announce the update of their family of 150W Class I/II programmable constant-current outdoor LED drivers that will reduce design and lead time while offering higher efficiency and surge protection – without adding cost or compromising performance. The Class I **EUD-150SxxDTA/DVA** and Class II **EUD-150SxxDDA** series are extremely flexible allowing the creation of hundreds of configurations via the programming interface. This helps to drastically reduce current inventory and removes the need to design-in a new LED driver for every generation of LEDs.

The rectangular, extruded-metal housing is more compact to enable more creative freedom on luminaire design. It is IP67 rated which is great for environmentally harsh indoor and outdoor conditions such as street, area, bay and tunnel lighting. To insure extended trouble-free operation, the upgraded EUD-150S product family also features over-voltage, over-temperature and short-circuit protection, plus external OTP for

LED module functionality and a high level of built-in surge protection: 6 kV line-to-line and 10 kV line-to-earth for Class I EUD-150SxxDTA/DVA, and 10 kV line-to-line for Class II EUD-150SxxDDA enabling these products to run cooler, significantly improving reliability and extending their life. The calculated lifetime of these drivers at 70°C case temperature has increased from 70,000 h to 100,000 h when operating at 80% load.

The Class I EUD-150SxxDTA/DVA series include 4 models of programmable constant-current drivers that can supply up to 150W at output currents from 700 to 5600 mA with a full-load efficiency up to 94.0%. The Class II EUD-150SxxDDA series include 2 models of programmable constant-current drivers that can supply up to 150W at output currents from 700 to 2100 mA with a full-load efficiency up to 93.5%. They can be programmed for 0-10V, PWM or any of 3 time-dimming modes, and they provide always-on 12V/200 mA auxiliary output and dim-to-off with ≤ 0.5 W standby power consumption, making them ideal for operation with a wide variety of sensors and controls for even greater energy savings. These products all operate over a 90-305Vac input range and provide excellent power factor correction.

This new family is approved to UL, CUL, FCC, ENEC, CE and CB standards. Production quantities of the Class I EUD-150SxxDTA/DVA and Class II EUD-150SxxDDA series are available now.

EUG-96SxxDT/DV EUG-150SxxDT/DV

The EUG family of programmable outdoor drivers is a more flexible, cost-effective alternative to the EUC family of fixed-current drivers, providing full output power over a range of output-current settings to reduce the number of driver SKUs needed to power an array of luminaire designs. The EUG family is also designed to be simpler and more cost-effective than the full-function EUD family which adds Dim-to-Off, always-on auxiliary power, longer lifetimes and DALI models.

This new family is approved to UL, FCC, CE, ENEC, CB, PSE and CCC standards.

KEY BENEFITS

- » Dim by 0-5V/0-10V/PWM/Internal Timer
- » Provide 12V auxiliary output power
- » Input surge protection: 6kV DM, 10kV CM
- » All-Around Protection: OVP, SCP, OTP
- » Watertproof (IP67)
- » SELV Output

- » TYPE HL, for use in a Class I, Division 2 hazardous location
- » Operate from 90-305Vac input
- » DT: Standard, 2 pins, VDE, Class 2 Output
- » DV: Standard, 3 pins, VDE, Suitable for Independent Use

EUG-96SxxxDT/DV:

- » 3 programmable models delivering up to 96W at output currents from 700-3500 mA
- » Full-load efficiency up to 93%
- » Calculated lifetime of 80,000 hours at 70°C and 80% load

EUG-150SxxxDT/DV:

- » 4 programmable models delivering up to 150W at output currents from 700-5600 mA
- » Full-load efficiency up to 93.5%
- » Calculated lifetime of 78,000 hours at 70°C and 80% load

TARGET MARKET

- » 150W models target high-output fixtures (above 12,000 lm) including: urban, street, area, high bay and tunnel lighting.
- » 96W models target medium-output fixtures (above 8,000 lm) including: urban, street, area, low bay and tunnel lighting