LED driver offers a standard 0-10V dimming capability

Phihong USA has developed a new series of multi-channel drivers for indoor and outdoor lighting applications. Designated the PDA050W-450G, the driver is equipped with four outputs of 450mA and offers a standard 0-10V dimming capability.

“The lighting industry is making a decided move from fluorescent and compact fluorescent bulbs to much more cost-effective and environmentally friendly LED diodes and drivers for longer lasting energy savings,” said Keith Hopwood, vice president of marketing for Phihong USA. “Phihong is committed to staying ahead of the curve by introducing a line-up of cost-competitive external AC-DC drivers to retrofit existing lighting installations as well as for OEMs and their rapidly growing demand for high quality lighting power.”

The power supply is equipped with four constant current outputs of 450mA at a nominal output voltage of 24.5V DC. With an AC input range of 90VAC to 304VAC the driver can be operated at the standard North American mains voltages of 120VAC or 277VAC for residential, commercial and industrial applications. The driver bears safety approval from UL, meeting UL8750, and has outputs that are class 2 per UL1310 that are appropriate for linear fluorescent replacement installations.

The PDA050W is water-resistant and fully potted with ingress protection ratings of 65 and may operate in a temperature range of 0°C to 50°C. The highly efficient and reliable driver has minimum average efficiency ratings from 82% at 120VAC input to over 84% at 277VAC input and has a calculated lifetime of 50K hours at maximum load and ambient 50°C.

The LED driver comes fully equipped with input over-current protection, short-circuit protection, output over-voltage protection and open-circuit protection and has a minimum power factor correction greater than 0.9. Phihong also offers a 5-year warranty on select LED drivers including the PDA050W.

Designed in a typical ballast shape and size for ease of retrofit implementation in office lighting fixtures, the series measures 242mm x 43.5mm x 30.5mm and weighs 675grams. For more information including product datasheets please visit www.phihong.com/LED [1].

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