

Power Supply Product

Robot Controller Power Supply Has EN62477-1 OVC III Certification

January 2018

TDK Corporation announces the introduction of the ZWS240RC-24 AC-DC power supply, rated at 240W output power. This model is an addition to TDK-Lambda's popular long-life ZWS series of 10W to 300W industrial power supplies. Certification to Over Voltage Category (OVC) III enables direct connection to the incoming AC distribution panel, saving the cost and space of an isolation transformer. Target applications include robot and other machine controllers needing a greater degree of protection from incoming input voltage line transients.

The ZWS240RC-24 accepts an 85 to 265Vac input and can operate convection cooled in ambient temperatures of up to +70°C, derating linearly above 50°C by 3.5% per °C. The 24V output voltage is adjustable from 21.6 to 26.4V to accommodate non-standard voltages. Overall product dimensions are 84 x 42 x 180mm.

Typical hold-up times are 31ms, providing additional protection against extended input voltage dips. Like all ZWS models the ZWS240RC-24 has a warranty of five years, supported by electrolytic capacitor lifetimes of 12-years, for superior operating field life.

The power supply is certified to IEC/EN62477-1 OVC III, IEC/EN/UL/CSA 60950-1 with CE marking for the Low Voltage, EMC and RoHS2 Directives. The model is also compliant to EN 55011, EN 55032 Class B conducted and Class A radiated emissions, EN 61000-3-2 harmonics and IEC 61000-4 immunity standards.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/zws-series.htm>, or by calling 800-LAMBDA-4. Product availability for all the ZWS power supplies can be found via the link to TDK-Lambda's distributor network (see "Check Distributor Stock to Buy") at <http://www.us.tdk-lambda.com/lp/>.

Major applications

Robot and other machine controllers needing a greater degree of protection from incoming input voltage line transients

Main features and benefits

- Certified to IEC/EN62477-1 OVC III
- 12 Year e-cap Lifetime
- 5 Year Warranty
- Convection Cooling

Major specifications

Model		ZWS240RC-24
Input voltage range	Vac	85 to 265Vac
Output voltage	Vdc	24V, adjusted from 21.6 to 26.4V
Output power	W	240W
Operating temperature	°C	-10 to +70°C. (Derating linearly by 3.5% per °C above 50°C)
Safety	-	IEC/EN/UL/CSA 60950-1
Size (W x L x H)	mm	84 x 42 x 180mm
Warranty	-	Five Years

About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes passive components, such as ceramic, aluminum electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 people worldwide.

About TDK-Lambda Corporation

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia.

For more details, please pay a visit to <http://www.tdk-lambda.com/>

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