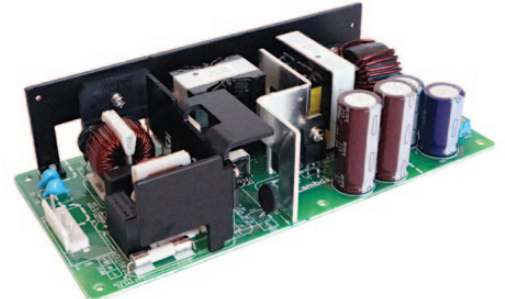




Industrial

## 240W 24V Output Power Supply with EN62477-1 OVC III



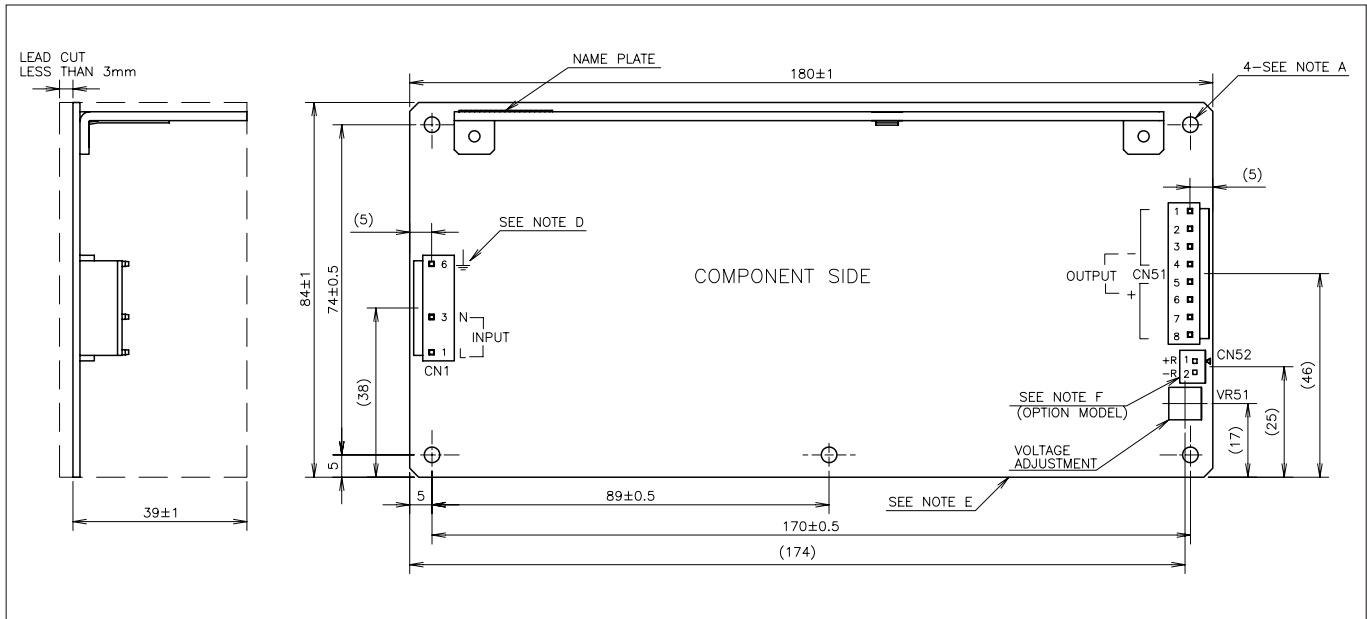
Features	Benefits
• Certified to IEC/EN62477-1 OVC III	• Direct Connection to Distribution Panel
• 12 Year e-cap Lifetime	• Long Field Life
• 5 Year Warranty	• Low Cost of Ownership
• Convection Cooling	• No External Cooling Air Required

Specification		
Model	ZWS240RC-24	
Nominal Output Voltage	V	24V
Maximum Output Current	A	10A
Maximum Output Power	W	240W
Efficiency (typ)	%	87 / 90% (100 / 200VAC)
AC Input Voltage range (1)	-	85 - 265VAC (47 - 63Hz)
Input Current (typical) (2)	A	2.8 / 1.5A
Inrush Current - cold start (2)	A	15 / 30A
PFHC	-	Active Power Factor Correction - Designed to meet EN/IEC61000-3-2
Power Factor (2)	-	0.93 / 0.9
Output Voltage Accuracy	%	±2%
Output Voltage Range	VDC	21.6 - 26.4V
Ripple and Noise (pk-pk)	mV	200mV (0 to +70°C) (Maximum)
Line Regulation	mV	96mV (Maximum)
Load Regulation	mV	150mV (Maximum)
Temperature Coefficient	%°C	<0.02%/°C
Overcurrent Protection	-	>10.5A
Overvoltage Protection	V	27.6 - 32.4V (Cycle AC to reset)
Hold Up time (Typ) (2)	ms	31ms
Leakage Current (Typ) (3)	mA	0.2 / 0.4mA
Cooling	-	Convection
Operating Temperature (4)	°C	-10°C to +70°C, derate linearly to 30% load from +50°C to +70°C
E-cap lifetime (5)	yrs	Up to 12 years; 50°C ambient, 100% full load, 24 hours a day operation
Storage Temperature	°C	-30°C to +75°C
Humidity (non condensing)	%RH	Operating: 30 - 90%RH, Storage: 10 - 90%RH
Withstand Voltage	VAC	I/P to Gnd 2kVAC (10mA), I/P to O/P: 3kVAC (10mA), O/P to Gnd: 500VAC (20mA) for 1min Isolation
Resistance	Ω	>100MΩ at 25°C & 70%RH, Output to Gnd: 500VDC
Vibration (non operating)	-	10 - 55Hz (1 minute sweep), 19.6 m/s <sup>2</sup> constant X, Y, Z 1 hour each
Shock	-	<196.1m/s <sup>2</sup>
Safety Agency Certifications	-	UL60950-1, CSA60950-1, EN60950-1, EN62477-1 (OVC III), CE Mark
Conducted Emission	-	EN55011 / EN55032-B, FCC-B, VCCI-B
Radiated Emission	-	EN55011 / EN55032-A, FCC-A, VCCI-A
Immunity	-	IEC61000-6-2 ; IEC61000-4-2, -3, -4, -5, -6, -8, -11
Weight (Typ)	g	520
Size (W x H x D)	mm	84 x 42 x 180
Warranty	yrs	5

**Notes:**

- (1) Derate linearly to 80% load from 90 to 85VAC input (2) 100/200VAC, full load (3) 100/230VAC  
 (4) Refer to Thermal Specifications & Application Notes (5) Refer to Reliability Data

## Outline Drawing ZWS240RC Series





## TDK-Lambda France SAS

3 Avenue du Canada  
Parc Technopolis  
Bâtiment Sigma  
91940 les Ulis  
France  
Tel: +33 1 60 12 71 65  
Fax: +33 1 60 12 71 66  
france@tdk-lambda.com  
www.fr.tdk-lambda.com



## Italy Sales Office

Via dei Lavoratori 128/130  
20092 Cinisello Balsamo (MI)  
Italy  
Tel: +39 02 61 29 38 63  
Fax: +39 02 61 29 09 00  
info.italia@it.tdk-lambda.com  
www.it.tdk-lambda.com



## Netherlands

info@nl.tdk-lambda.com  
www.nl.tdk-lambda.com



## TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40  
77855 Achern  
Germany  
Tel: +49 7841 666 0  
Fax: +49 7841 5000  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Austria Sales Office

Aredstrasse 22  
2544 Leobersdorf  
Austria  
Tel: +43 2256 655 84  
Fax: +43 2256 645 12  
info@at.tdk-lambda.com  
www.de.tdk-lambda.com



## Switzerland Sales Office

Bahnhofstrasse 50  
8305 Dietlikon  
Switzerland  
Tel: +41 44 850 53 53  
Fax: +41 44 850 53 50  
info@ch.tdk-lambda.com  
www.de.tdk-lambda.com



## Nordic Sales Office

Haderslevvej 36B  
DK-6000 Kolding  
Denmark  
Tel: +45 2911 9556  
info@dk.tdk-lambda.com



## TDK-Lambda UK Ltd.

Kingsley Avenue  
Ilfracombe  
Devon EX34 8ES  
United Kingdom  
Tel: +44 (0) 12 71 85 66 66  
Fax: +44 (0) 12 71 86 48 94  
powersolutions@uk.tdk-lambda.com  
www.uk.tdk-lambda.com



## TDK-Lambda Ltd.

Kibbutz  
Givat Hashlosha 48800  
Israel  
Tel: +9 723 902 4333  
Fax: +9 723 902 4777  
info@tdk-lambda.co.il  
www.tdk-lambda.co.il



## C.I.S.

**Commercial Support:**  
Tel: +7 (495) 665 2627  
**Technical Support:**  
Tel: +7 (812) 658 0463  
info@tdk-lambda.ru  
www.tdk-lambda.ru

## Local Distribution

