



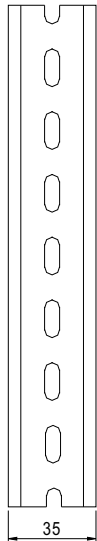
## Features :

- Universal AC input / Full range
- Built in active PFC function
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz

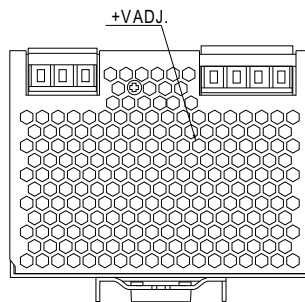
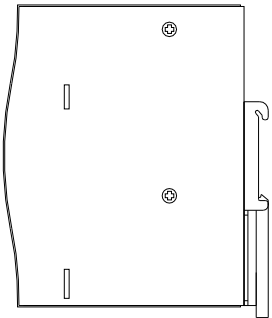
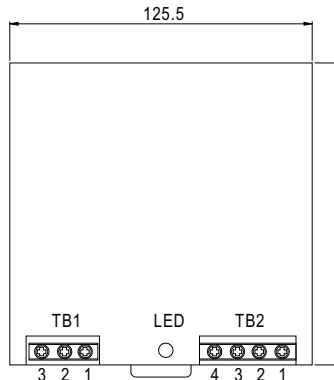
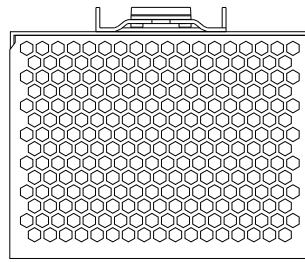
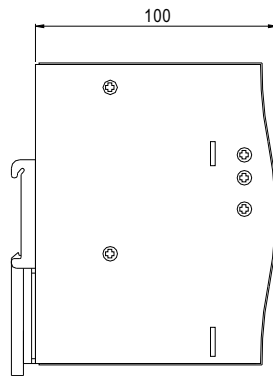
MODEL		DRP-240-24		DRP-240-48		
OUTPUT	DC VOLTAGE	24V		48V		
	RATED CURRENT	10A		5A		
	CURRENT RANGE	0 ~ 10A		0 ~ 5A		
	RATED POWER	240W		240W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p		150mVp-p		
	VOLTAGE ADJ. RANGE	24 ~ 28V		48 ~ 53V		
	VOLTAGE TOLERANCE Note.3	±1.0%		±1.0%		
	LINE REGULATION	±0.5%		±0.5%		
	LOAD REGULATION	±1.0%		±1.0%		
	SETUP, RISE TIME	800ms,40ms/230VAC   800ms, 40ms/115VAC   at full load				
	HOLD TIME(Typ.)	24ms/230VAC   24ms/115VAC   at full load				
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC   120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	0.96/230VAC   0.99/115VAC at full load				
	EFFICIENCY (Typ.)	84%		85%		
	AC CURRENT	2.8A/115VAC   1.4A/230VAC				
	INRUSH CURRENT(max.)	COLD START 27A/115VAC 45A/230VAC				
	LEAKAGE CURRENT	<3.5mA/240VAC				
PROTECTION	OVERLOAD	105 ~ 150% rated output power Protection type : Constant current limiting,recovers automatically after fault condition is removed				
	OVER VOLTAGE	30 ~ 36V Protection type : Shut down o/p voltage, re-power on to recover		54 ~ 60V		
	OVER TEMPERATURE	100°C±5°C (TSW1) Detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down				
	WORKING TEMP.	-10 ~ +70°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes				
	SAFETY & EMC (Note 4)	SAFETY STANDARDS	Design refer to UL508, UL60950-1, TUV EN60950-1			
		WITHSTAND VOLTAGE	I/P-O/P:3KVAC   I/P-FG:1.5KVAC   O/P-FG:0.5KVAC			
ISOLATION RESISTANCE		I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC				
EMI CONDUCTION & RADIATION		Compliance to EN55011,EN55022 (CISPR22) Class B				
HARMONIC CURRENT		Compliance to EN61000-3-2,-3				
EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A				
OTHERS	MTBF	136.8K hrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	125.5*125.2*100mm (L*W*H)				
	PACKING	1.2Kg, 12pcs/15.5Kg/1.2CUFT				
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5.Derating may be needed under low input voltages.Please check the derating curve for more details.					

## Mechanical Specification

Unit:mm



Admissible Din Rail: TS35/7.5 or TS35/15



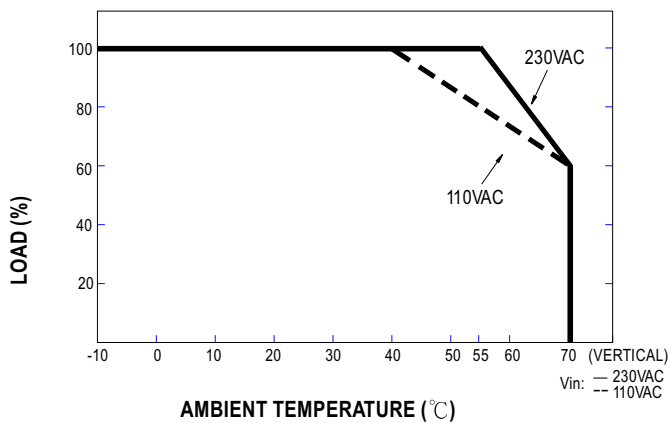
Terminal Pin. No Assignment (TB1)

Pin No.	Assignment
1	FG $\oplus$
2	AC/N
3	AC/L

Terminal Pin. No Assignment (Tb2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

## Output Derating



## Output derating VS input voltage

