

## YSD100L-100 SERIES



**Input: 85-264VAC 50/60Hz**  
**Output Voltage: 12V-48V DC**  
**Rated Power :100W max**

### Features

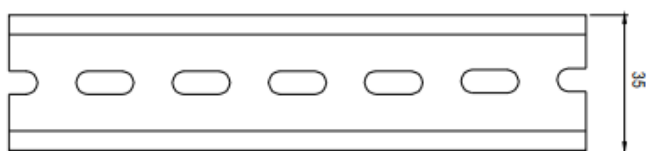
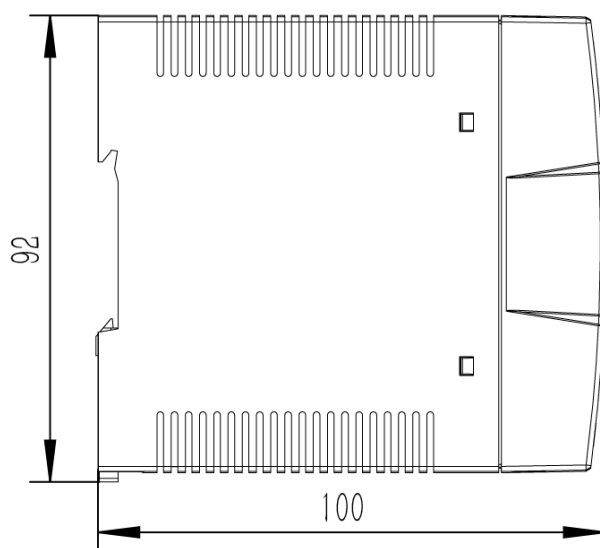
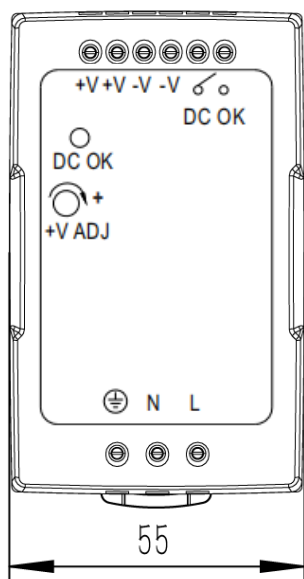
1. International universal full range of exchange input
2. Protection type: over load/over voltage/short circuit
3. DC output voltage adjustable
4. Cooling by free air convection
5. Installed on DIN rail TS-35 / 7.5 or 15
6. Built-in DC OK active signal
7. LED indicator for power on
8. Three years warranty
9. Isolation Class I

### Application

Access Control  
Automation  
Communication Equipment  
Industrial Control Systems



## ■ Dimensions and Installation



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

Terminal Pin No. Assignment

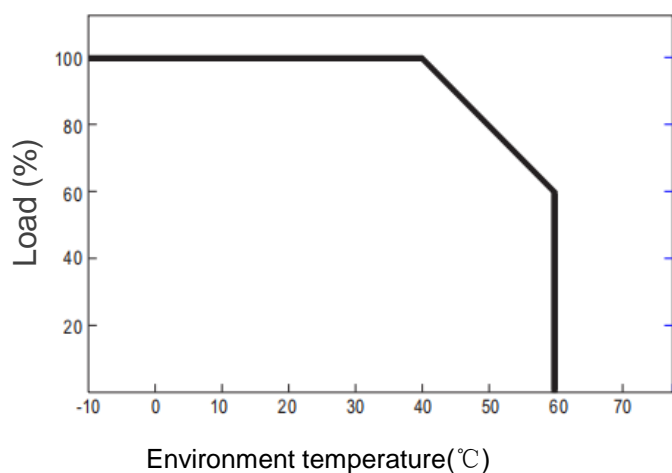
Pin No.	Assignment	Pin No.	Assignment
1	+V	3	AC/N
2	-V	4	AC/L

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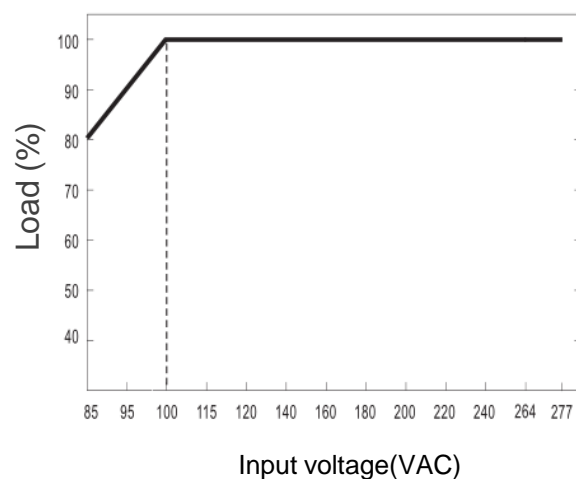
MODEL DETAIL SPEC.		YSD100L-1207500	YSD100L-2404000	YSD100L-4802000
INPUT	Input Voltage:	85-264VAC		
	Input Frequency:	50/60Hz		
	Inrush Current:	30A/115VAC 60A/230VAC		
	AC Current:	1.3A/115VAC 0.8A/230VAC		
	Leakage Current:	< 0.25mA/240VAC		
	Efficiency:	83%	86%	87%
OUTPUT	DC Voltage:	12V	24V	48V
	Rated Current:	7.5A	4A	2A
	Rated Power:	90W	96W	96W
	Voltage Tolerance:	±5%	±5%	±5%
	Ripple and Noise:	120mVp-p	150mVp-p	200mVp-p
	Line Regulation:	±1%	±1%	±1%
	Load Regulation:	±1%	±1%	±1%
	Setup, Rise, Hold Up time:	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load		
ENVIRONMENTAL	Operating Temperature:	-20℃ to 60℃, Full Load, Normal Operation		
	Storage Temp:	-40℃ to 85℃		
	Storage Humidity:	10 ~ 95% RH		
	Working Humidity:	20% ~ 95% RH Non-Condensing		
PROTECTION	Over Load:	>105%-150% Rated Output Power		
		Protection type: Hiccup Mode- recovers automatically after fault condition is removed		
	Over Voltage:	12V:15.6 ~ 18V 24V:31.2 ~ 36V 48V:57.6 ~ 64.8V		
		Protection type : Shut down o/p voltage, re-power on to recover		
	Over Temperature:	Shut down o/p voltage, re-power on to recover		
SAFETY & EMC	Over Current:	110%-180%		
	Safety Regulations:	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved		
	Withstand Voltage:	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH		
OTHER	EMC Emission:	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B		
	MTBF:	200,000 Hours Minimum at Full Load at 25℃ Ambient		
	Size:	55*100*92mmm		
	Weight:	400g / pcs		
	Packaging:	40PCS/CTN		

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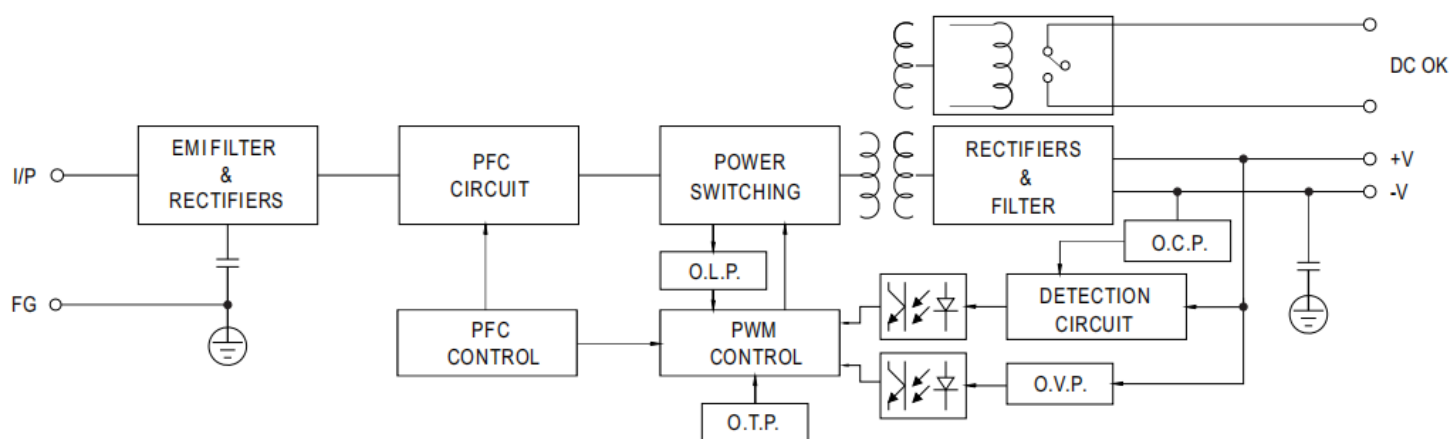
**Deduction curve and temperature**



**Minus output and input voltage curves**



## Functional Diagram



## DC OK Relay contact

Contact Close	PSU turns on / DC OK.
Contact Open	PSU turns off / DC Fail.
Contact Ratings (max.)	30V/1A resistive load.