



All the patents are held accountable counterfeiting.

## Features

## General specifications



DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
WEIGHTS: 720g

### INPUT

Input range 90~132/180~264VAC (Selectable)  
220~380VDC

Input frequency 47~63Hz

Inrush current (25° C) 20A/110VAC  
40A/220VAC

### OUTPUT

Hold-up time 16mS

Short protection Autorecovery

Overload protection Automatic power limited

Over voltage protection Autorecovery

Redundant function (Optional)

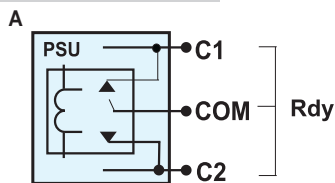
- Intelligent Memory/ Alarm Power
- Voltage/ Current/ Temp./ Running time Digital display
- Convection cooled
- Easy mounting (one-step installation)
- Unique at back up function
- RDY signal (normal open & close of Relay contact at 1A)
- Isolation between the RDY connection signal and the Primary/Secondary side
- Separation of AC and DC, Excellent of Electromagnetic Compatible
- RoHS & EMI test and strictness on quality
- 2 year Warranty
- Split rail & Series connection possible
- Output modify range: 3V~200VDC

## Detail specifications

### 120 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P. Trip point
		Min.	Rated	Max.					
RP1120D-12M	V1: +12V ±10%	0A	10A	10A	100mVp-p	±1%	±1%	78% Min.	15 ~ 18V
RP1120D-24M	V1: +24V ±10%	0A	5A	5A	250mVp-p	±1%	±1%	80% Min.	31.4 ~ 38.3V
RP1120D-48M	V1: +48V ±10%	0A	2.5A	2.5A	250mVp-p	±1%	±1%	80% Min.	54 ~ 60V

## Rdy Connection



A: Display PSU, Rdy Internal Connection

Please Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: RP1120D-24M

Optional Function:

Terminal Block: "T": PCB Barrier Terminal Block

"E": Mini Terminal Block

Without Function: "N": Non Redundant Function

Function "D": Intelligent type Din Rail Power Supply

## EMC Standards

EN55022 CLASS B  
EN61000-3-3  
EN55024 (IEC61000-4-2)  
IEC61000-4-3, IEC61000-4-4  
IEC61000-4-5, IEC61000-4-6  
IEC61000-4-8, IEC61000-4-11

## Safety Standards

CUL 508 APPROVAL  
 UL/CSA 60950 APPROVAL  
 CE Marking

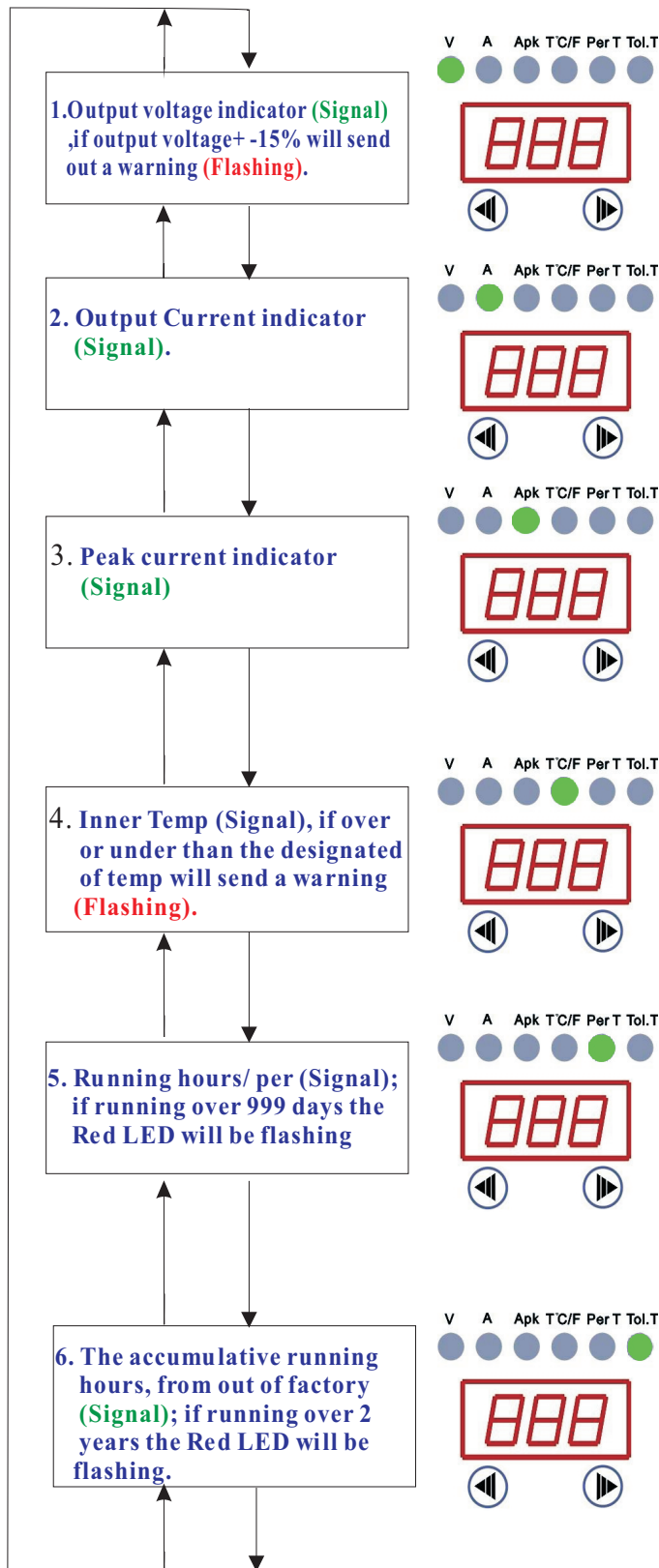
## Environments

Operating Temperature -15 ~ 50°C, Ambient  
Operating Humidity 5 ~ 95% RH, No Condensing  
Storage Temperature -20 ~ 85°C, Ambient  
Vibration 2G, 10~500Hz, 3 axes

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
  2. Line regulation is measured from low line to high line at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 110VAC input. (Redundant function Sepc. 0.6V Add.)
  4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
  5. Efficiency is measured at rated load and 110VAC input [the above form is Non-backup function power, a formula for the efficiency of backup function model is the rated power/ (the rated power/ the efficiency of non-backup function+ the rated output current\*0.6)].
  6. Hold-up time is measured at rated load and 110VAC input.
  7. Reign Power reserve the right to change specifications at any time without notice.



Instruction



1. Dual LED, when **Green LED on**, show the O/P voltage; if **Red LED flashing** means the voltage under or over than  $\pm 15\%$  of the setting range. It will show the O/P voltage and send the "Warning signal".

2. Single LED, **Green LED on**, it show the O/P current. When **LED flashing** means the output current is over the rating and will signal for warning (RDY signal).

3. Single LED. **Green LED on**, show the peak current which is measure (appr ox. 50mS) at free time. If you'd like to reset the O/P current, please press and simultaneously and holding over 1 second then the peak current will be reset to be zero. After released the button, it will restart to measure the peak value of O/P current (appr ox. 50mS).

4. Dual LED, **Green LED on**, indicate the Celsius Degree and press **Red LED on** indicate the Fahrenheit Degree which are show the inner temperature. When Red Led flashing, means the temperature under  $-20^{\circ}\text{C} / -4^{\circ}\text{F}$  or over than  $70^{\circ}\text{C} / 158^{\circ}\text{F}$  and that will signal for warning.

5. Dual LED, **Green LED on**, means the day(s) of running time and press , **Red LED on** show the years of running time, it's count the running time accumulatively. If over **999 days** or over **2.73 years**, Red LED will flashing and signal for warning. At meanwhile, please press and holding 3 seconds or switch off and on the indicator will re-calculate.

6. Dual LED, **Green LED on**, it means the day(s) of accumulative running time, and press , **Red LED on** which indicate the year(s) of accumulative running time. The indicator show the running time from out of the factory to present. When the Red LED flashing, it means the running hour is over 730 days or 2 years, and will signal for warning. At meanwhile, please press and holding 3 seconds or switch off and on the indicator will re-calculate.

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