



## TP170A/B



Power supplies TP170A and TP170B designed for a professional coffee dispenser. High peak output power of 360W. Two versions : 115V and 230V.



Model ref: TPSF-90-1-C/D

### OVERVIEW

- 90W Power supply
- two versions : Model TP170A with reference TPSF-90-1-C  
: Model TP170B with reference TPSF-90-1-D
- Able to deliver 4 times the nominal output power
- Custom made

### APPLICATION

- Professional coffee dispensers
- High peak power demand due to inrush currents of large DC-motors

### INPUT

- Input voltage range model TP170A : 180 - 264Vac  
: Japan 200V (double phase 100V)  
: USA/Canada 208V (two phase 120V)  
: 220V, 230V (Eu) and 240V (USA)
- Input voltage range model TP170B : 85 - 140Vac  
: Japan (100V)  
: USA/Canada (120V)  
: Mexico (127V)
- Efficiency : > 85%
- Leakage current : 0.5 mA RMS max

### OUTPUT

- Nominal output power : 90W
- Peak output power : 90W - 240W (4.5 sec)  
: 240W - 360W (3 sec)
- Single output voltage : +24Vdc
- 60950-1 LPS / UL 1310 Class 2 (output limited to 100VA for max 5 seconds)

## PROTECTIONS

- Under / overvoltage protection
- Time related output power / overcurrent protection
- Fuse protected AC input
- Automatic fault recovery (hiccup restart) functionality : Under voltage protection
- Automatic latch-off functionality : Over voltage protection
- Microprocessor controlled protections

## CERTIFICATES

- UL



## SAFETY & EMC

- IEC/EN/UL 60950-1
- IEC/EN/UL 62368-1
- UL197
- EN 55014
- IEC/EN 61000-6-2
- IEC/EN 61000-6-4
- IEC/EN 61000-3-3
- IEC/EN 61000-4-3
- IEC/EN 61000-4-5
- IEC/EN 61000-4-11
- IEC/EN 61558-2-16
- IEC/EN/UL 60335-1
- IEC/EN 61558-1
- IEC/EN 60335-2-75
- IEC/EN 61000-6-1
- IEC/EN 61000-6-3
- IEC/EN 61000-3-2
- IEC/EN 61000-4-2
- IEC/EN 61000-4-4
- IEC/EN 61000-4-6
- IEC/EN 62233

## COOLING

- Free air convection

## CONSTRUCTION

- Open frame

## CONNECTIONS

- Input : 2 pins molex connector (Glow wire) or compatible
- Output : 4 pins molex connector (Glow wire) or compatible

## DIMENSIONS & WEIGHT

- Dimensions (L X W X H) : 120 x 70 x 43 mm  
: 4.7 x 2.8 x 1.7 inch
- Weight : 0.65 KG