



## TP93A



Enclosed power supply used in vending machines and liquid (coffee) dispensers.

Model ref: TPSF-90-2-A

### OVERVIEW

- 90W power supply
- Single-ended feed-forward converter topology
- The integrated microprocessor based control circuitry handles all required dispenser processing functions such as
  - : Generating triangular current pulses to the coffee dosing coils
  - : Control of the mixer motors
  - : Control of valves, relays and peltier cooling elements
- Custom made

### APPLICATION

- Professional vending machines and liquid (coffee) dispensers
- Build for the European and Japanese market
- High peak power demands
- Operating 24/7

### INPUT

- AC selectable input : 115 / 230 Vac
- Efficiency : > 75%

### OUTPUT

- Nominal output power : 90W
- Peak output power : 330W
- Multiple output voltages : 11Vdc  
: 24Vdc
- 60950-1 LPS / UL 1310 Class 2 (output limited to 100VA for max 5 seconds)

### PROTECTIONS

- Overload protection

### SAFETY & EMC

- EN 50081-1
- EN 50082-1
- EN 55022 (CISPR22) Class B
- IEC/EN/UL 60335-1
- IEC/EN/UL 60950-1 LPS
- IEC/EN 61000-3-3
- IEC/EN 61000-4-4
- IEC/EN 61000-4-5

## COOLING

- Built-in fan

## CONSTRUCTION

- A specially designed black anodized aluminium U-profile bottom case and a metal top cover
- Easy to use fixation slots

## CONNECTIONS

- Input : Connectors with flying leads
- Output : Connectors with flying leads

## DIMENSIONS & WEIGHT

- Dimensions (L X W X H) : 200 × 110 × 65 mm  
: 7.9 × 4.3 × 2.6 inch
- Weight : 1.18 KG