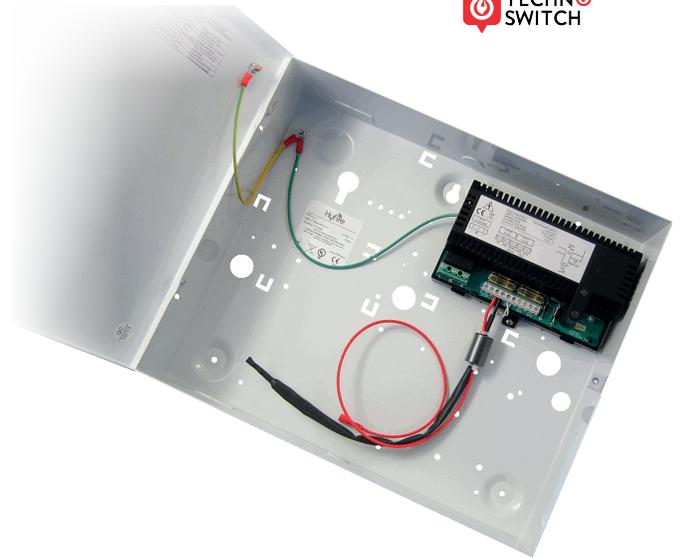


DATASHEET  
**HYFIRE**  
**POWER SUPPLY UNIT**  
 HFW-PSU2-03



The Hyfire HFW-PSU2-03 is an EN54-4 approved 24V 2A power supply, ideal for use in fire and smoke and ventilation control systems. The device provides compliant power supply/continuity to the Taurus expanders.

The units includes intelligent battery charging, it possesses mains and battery monitoring with independent voltfree outputs and it also features battery deep discharge protection in the event of a prolonged mains failure.

The inclusion of LED indicators provides quick diagnostics of the status of the power supply.

### MAIN FEATURES

- 27.6V dc output
- Intelligent battery charging and monitoring using Deep Discharge Protection
- Full rated current to load plus additional current for battery charging
- Remote fault signalling
  - Volt-free fault output - EPS: Mains fail
  - Volt-free fault output - PSU fault:
    - Battery fault
    - Charger fault
    - Loss of output
- Mains transient protection
- 5 year warranty

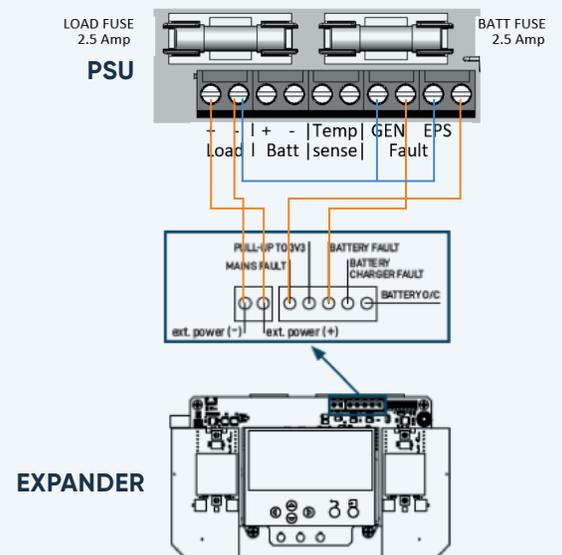
### TECHNICAL SPECIFICATIONS

Output	27.6 V dc
Mains Input	264 V ac
Operating temperature	10° to 49° C at 95% RH

### STANDARDS AND APPROVALS

- Certified by UL (EN54-4:1997 + A1: 2002 + A2: 2006)
- CE mark
- RoHS Compliant

### CONNECTIONS BETWEEN EXPANDER AND PSU



#### MAINS FAULT

ESP Fault	GEN Fault	Condition	Possible Cause	Action
Open	Closed	Standby Mode	Mains lost Battery driving load	Investigate loss of mains

#### BATTERY FAULT

ESP Fault	GEN Fault	Condition	Possible Cause	Action
Closed	Open	Fault Present	Blown fuses Battery fault Internal fault	Investigate fault source using diagnostic LED  Rectify fault where possible