

24V 5A EN54-4 Switch Mode PSU

Part No. **BF362-5**



Overview

VDS certified to EN54-4 (1997/A2:2006).

Ideal for powering beam detectors, auto-dial communicators, aspirating smoke detectors, auto-open vent systems, auxiliary sounder systems or any other device performing a mandatory function of a fire alarm system.

Deep discharge battery protection and EN54 compliant reporting of battery impedance faults.

Includes a single-pole volt-free changeover relay that switches for any fault condition.

Three LED indicators - supply present, general fault and auxiliary fault (for optional connection to third-party equipment).

Link selectable battery charging capacity.

Environmentally-friendly charging circuit - dissipates just 0.35W compared to the industry norm of 2.55W.

Supplied in a tough, durable metal box.

Optional 'caged' and 'PCB-only' versions available with exactly the same electronics (order code BF362-5/E and BF362-5 respectively).

Technical Specifications

Approvals/certifications	Certified to EN54-4 by the Vds (0786-CPR-20892) / (G09197)
Application/operation	A boxed Mains to regulated DC power supply providing 5A @ 24V DC. Fully compliant with EN54-4, it includes a single pole volt-free changeover relay that switches for any fault condition.
Mains supply	230V 50/60Hz.
Mains rated current	1.35A maximum. (310 VA).
Total output current limited to	5A (Max. continuous output current).
Output	4.6A DC current or 4A DC current (I max a, if PLK2 link fitted), 1A charge current; 5A DC current (I max b, charging turned off).
Battery charge capacity	7 Ah to 18 Ah.
Max battery size and type	2 x 12V 18 Ah VRLA.



Indicators	Supply Present (Green); General Fault (Amber); Auxiliary Fault (Amber); Hazardous Voltages Present (Red).
Connections	Mains Input (CONN1); Supply Output (CONN5); Battery Input (CONN5); Fault Relay (CONN4); Charge Off Input (CONN4). Battery Monitoring On/Off Link (PLK1); Battery Charge Current Link (PLK2); High Temp. Output (PL2).
Product dimensions (mm)	404 W x 404 H x 110 D mm.
Construction & finish	Metal lid and base; RAL7035 textured.
IP Rating	IP30 (designed for indoor use only).
Weight	5.25kg (without batteries).
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.



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