

EN54-4 POWER SUPPLIES

TO EN54-4:1997/A2:2006

Introducing a new range of cost-effective fully EN54-4 compliant regulated switch-mode power supplies.

Four versions are available - a 12V 2A model with optional STU mounting plate (for auto-dial applications) and three 24V versions rated at 1.5A, 3A and 5A respectively.

All models are fully compliant with EN54-4:1997/A2:2006



- A new range of cost-effective EN54-4 compliant regulated switch-mode power supplies
- Optional STU mounting plate (for auto-dial applications) available for 12V 2A and 24V 1.5A versions
- All models offer low current consumption, deep discharge battery protection and a single pole volt-free change-over relay that switches for any fault condition
- Three LED indicators provided on all boxed units - supply present, general fault and auxiliary fault (for optional connection to third party equipment)
- Link selectable battery charging capacity on all models (1 to 3.5Ahr or 3.5 to 12.0Ahr)
- Optional high temperature output (activates when internal box temperature reaches 55°C) available for connection to ventilation fans, etc.
- Chassis only versions available for OEMs
- Power supplies with a higher battery charging capacity (up to 80% of total PSU output) available to special order



FIR/G/10006

SP203 APPROVED

ORDER CODES & DESCRIPTIONS



24V EN54 POWER SUPPLIES & ANCILLARIES

BF360-24	24V 1.5A EN54-4 Boxed PSU (supplied in a plastic enclosure)
BF360SP	Optional STU mounting plate for BF360-24 1.5A PSU
BF360-24/C	24V 1.5A EN54-4 Power Supply Chassis ONLY
BF361-3	24V 3A EN54-4 Boxed PSU (metal back box/plastic lid)
BF361-3/C	24V 3A EN54-4 Power Supply Chassis Only
BF361-5	24V 5A EN54-4 Boxed PSU (metal back box/plastic lid)
BF361-5/C	24V 5A EN54-4 Power Supply Chassis Only

12V EN54 POWER SUPPLIES & ANCILLARIES

BF360-12	12V 2A EN54-4 Boxed PSU (supplied in a plastic enclosure)
BF360SP	Optional STU mounting plate for BF360-12 2A PSU
BF360-12/C	12V 2A EN54-4 Power Supply Chassis ONLY

ANCILLARY FIRE ALARM EQUIPMENT BOXES

BF360BOX	Ancillary equipment box (external size 380x235x90mm)
BF361BOX	Ancillary equipment box (external size 465x290x103mm)
BF360LEDKIT	6-way Status LED kit for BF360BOX or BF361BOX

KEY TECHNICAL SPECIFICATIONS

POWER SUPPLY SPECIFICATION	
Mains supply voltage:	230Vac, 50/60Hz
Max. continuous output current (including charging):	1.5A (BF360-24); 2A (BF360-12); 3A (BF361-3); 5A (BF361-5)
Battery charge capacity:	1.0Ahr to 12.0Ahr.
Max VRLA battery size/type determined by cabinet size:	BF360-12 = 1 x 12V 7.0Ahr (no STU plate) or 1 x 12V 3.0Ahr (with STU plate) BF360-24 = 2 x 12V 3.0Ahr. BF361-3 and BF361-5 = 2 x 12V 7.0Ahr
Mains supply/battery charger monitored for failure:	YES
Batteries monitored for disconnection and failure:	YES
Quiescent current drain on mains fail:	12mA approx.
FUSES to IEC (EN60127 pt2)	
Mains supply fuse (F1):	1A HRC, 20mm ceramic
Battery fuse (F2):	3.15A F, 20mm glass (BF360-24, BF360-12); 5A F, 20mm glass (BF361-3, BF361-5)
POWER SUPPLY PCB CONNECTIONS	
Mains Input (CONN1):	Three mains supply input terminals: Live, Neutral & Earth
Supply Output (CONN3):	12Vdc (BF360-12) or 24Vdc (all other models) output for auxiliary equipment at PSU's rated output
Battery Input (CONN3):	Connection to the VRLA battery
Fault Relay (CONN4):	Isolated relay output rated 1A@50V
Charge Off Input (CONN5):	Disablement of the battery charge, volt-free short to 0V.
PLK1:	'Battery Charge Current' link. NOT fitted for 1Ahr to 3.5Ahr (0.2A charge). Fitted for 3.5Ahr to 12Ahr (0.7A charge). Special requests can be catered for, up to 80% of the total PSU output.
PLK2:	'Battery Monitoring' link. Fitted if batteries NOT used.
PL1:	Display Connector. 4-way connector from Power Supply PCB to Display Card.
PL2:	High Temperature Output. Operates at approx. 55°C internal box temp., 200mA@30V max. current sink.
INDICATORS	
Panel Indicators (LEDs):	SUPPLY PRESENT (Green) - Indicates the supply is present at the output. FAULT (Amber) - Indicates a current fault on the PSU. Call the engineer AUXILIARY FAULT (Amber) - Indicates a fault with an auxiliary unit (user-definable). 6-7mA@10-30V
Power Supply PCB (LED):	Hazardous Voltages Present (Red)
DIMENSIONS	
Physical size (WxHxD) mm:	380 x 235 x 96 approx (BF360-12, BF360-24); 465 x 290 x 103 (BF361-3, BF361-5)
OPERATING CONDITIONS	
The power supply enclosure has an IP30 rating and is designed for indoor use only. The components are selected to operate within their specification when the environmental conditions outside the enclosure comply with class 3k5 of IEC 721-3-3:1978. Temperature range: -5 to +40°C. Maximum relative humidity: 95%.	