



## 24V POWER SUPPLIES

A range of cost-effective, robust and attractively-designed 24V d.c. power supplies suitable for use in fire alarm systems of all sizes.

Four units are available, a 250mA door release PSU, a 1A general purpose PSU, a 2A door release PSU and an EN54 part 4 compliant 3A switch-mode PSU.



### BF375P 250mA UNREGULATED DOUBLE GANG DOOR RELEASE PSU

- Supplied on a compact double gang plate
- Provides a continuous output of 24V 250mA d.c.
- Ideal for locating alongside any single/double fire doors requiring door retaining magnets
- Three trigger inputs - trigger, hold off and manual button
- Also available as part of the BF375PK door retainer and PSU kit

### BF375M 1A REGULATED GENERAL PURPOSE PSU

- A general purpose mains to regulated 27.6V d.c. power supply c/w on-board relay
- Two trigger inputs - trigger and hold off
- Sophisticated fault monitoring
- Very low current consumption
- Capable of charging 2.1Ahr back up batteries

### BF377 2A UNREGULATED DOOR RELEASE PSU

- Designed to provide continuous d.c. power for a 24V door release magnet system
- Two trigger inputs
- Supplied in a robust metal cabinet

### BF368EN REGULATED EN54-4 PSU

- Efficient switch mode design
- Provides a continuous output of 27.6V 3A d.c.
- Very low current consumption allows >72 hours standby (dependent on battery capacity and load)
- Includes two isolated input triggers (trigger and hold off), one unisolated input and a fault relay output.
- Capable of charging 2 to 10 Ahr batteries in line with the requirements of EN54-4
- Very low opto-isolated external hold off allows multiple units to be failsafe connected to a single fire panel without compromising stand by time
- Ideal for door release, plant shutdown and sounder circuit extender systems, etc.



## KEY FEATURES & TECHNICAL SPECIFICATIONS

### BF375P 250mA UNREGULATED DOUBLE GANG DOOR RELEASE PSU (1)

Supplied on a compact double gang plate, the BF375P provides a continuous output of 24V 250mA d.c. and is ideal for locating alongside single or double doors which require door retaining magnets. Three trigger methods are available, (a) trigger and (b) hold off (both of which require a signal voltage of 5-27V d.c. 10mA) and (c) manual button release. Once triggered, the PSU's output voltage is removed causing any door release magnets connected to it to de-energise. The BF375P is designed specifically for use as a door release PSU and is not suitable for battery charging or any other purpose. Also available as part of the BF375PK door retainer and PSU kit (5).

MAINS SUPPLY VOLTAGE .....	230V a.c. $\pm$ 10% 50/60 Hz
SUPPLY OUT .....	21-28V d.c.; 250mA
MAX. NO. OF RETAINERS .....	5 rated @ 50mA or 8 rated @ 30mA
APPROX. DIMENSIONS (WxHxD) & WEIGHT .....	147 x 87 x 39mm; 480g (24mm protrusion depth in back box)

### BF375M 1A REGULATED GENERAL PURPOSE PSU (2)

The BF375M is a general purpose mains to regulated 24V d.c. power supply unit complete with on-board relay. It has three indicators (mains on, battery/power supply fault and output triggered) and two inputs (trigger and hold off). Both inputs require a signal voltage of 5-27V d.c. 1mA and can be used to control the PSU's internal relay to switch its output voltage on or off. This and the PSU's sophisticated fault monitoring function (battery faults, mains faults and ruptured fuse faults are all reported) makes the BF375M one of the most versatile 1A power supplies available. Optional back-up batteries can be fitted to maintain the PSU's output and the unit's very low current consumption makes it ideal for large installations where multiple units can be connected to one system without compromising the battery stand-by time of the host panel. Siting each PSU locally to its load can provide considerable cost savings on wiring, reduce the risk of voltage drop, increase flexibility and lessen the risk of total system failure.

MAINS SUPPLY VOLTAGE .....	230V a.c. $\pm$ 10% 50/60 Hz
SUPPLY OUT .....	27.6V d.c., 1A
APPROX. DIMENSIONS (WxHxD) & WEIGHT.....	271 x 200 x 70mm; 2.3Kg (without batteries)

### BF377 2A UNREGULATED DOOR RELEASE PSU (3)

The BF377 is designed to provide continuous d.c. power for a 24V door release magnet system controllable from a fire alarm control panel. For automatic release, the power supply requires a signal voltage of 18-30V d.c. 30mA. Manual release can also be achieved via a set of contacts using, for example via an external timer, in order to shut the doors automatically at a predetermined time. The BF377 does not have a battery back-up facility.

MAINS SUPPLY VOLTAGE .....	230Va.c. $\pm$ 10% 50/60Hz
SUPPLY OUT .....	22-29Vd.c., 2A
MAX. NO. OF RETAINERS .....	40 rated @ 50mA or 66 rated @ 30mA
APPROX. DIMENSIONS (WxHxD) & WEIGHT .....	405 x 267 x 92mm; 4.0Kg

### BF368EN 3A REGULATED EN54-4 PSU (4)

Supplied in a light grey metal back box with plastic lid, the BF368EN's efficient switch mode design allows it to provide a continuous output of 3A at 185-265 V a.c. Ideal for a variety of applications (door release systems, plant shutdown, sounder extender systems, etc), it offers very low current consumption (allowing in excess of 72 hours standby dependent on battery capacity and load) and is capable of charging 2 to 10 Ahr batteries in line with the requirements of EN54. Its very low opto-isolated external hold off allows multiple units to be failsafe connected to a single fire panel without compromising the panel's stand by time. Other features include a local switch input and a fault output via a normally energized relay SPCO (fault monitoring includes battery fault, mains supply fault and ruptured fuse). Battery monitoring may be disabled when not required.

MAINS SUPPLY VOLTAGE .....	230Va.c. $\pm$ 10% 50/60Hz
SUPPLY OUT .....	27.6V d.c.; 3A (reduce to 2.5A if batteries are fitted)
APPROX. DIMENSIONS (WxHxD) & WEIGHT .....	Back Box 412 x 250 x 80mm; Lid 439 x 274 x 7mm; 2.95Kg (without batteries)

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