

24V 1A Regulated Power Supply

Part No. **BF375M**



Overview

A general purpose mains to regulated 24V d.c. power supply unit intended for use in fire alarm systems of all sizes.

Includes a built-in 24V double pole changeover relay.

Provides a stabilised output of 27.6V

Mains On, Battery/PSU Fault and Output Triggered indicators.

Trigger and hold off inputs can be used to control the internal relay.

Optional back-up batteries can be fitted to maintain the output in the event of mains failure.

Technical Specifications

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|---------------------------|---|
| Application/operation | A boxed Mains to regulated DC power supply providing 1A @ 24V DC c/w with an on-board relay. |
| Mains supply | 230V 50/60Hz. |
| Output | 1A @ 27V DC. (100mV ripple). |
| Quiescent current | 15mA max. |
| Battery charge capacity | 1.2 Ah to 2.1 Ah. |
| Max battery size and type | 2 x 12V 2.1 Ah VRLA (for approx. 80 hours stand by). Note 2 x 12V 1.2Ah VRLA will typically provide 36 hours standby. |
| Open collector outputs | Fault monitor: Normally off; Max. off voltage: +27 V DC; Max. current when on: 50mA. |
| Indicators | Mains On, Battery/PSU Fault and Output Triggered. |
| Controls | Trigger input: +5-27V DC (max. current 1mA); Hold Off Input: +5-27V DC (max. current 1mA). Voltages with respect to 0V. |
| Connections | Hold off; Trigger; Fault Output; 0V; N/O; N/C; +24V. |
| Product dimensions (mm) | 271 W x 200 H x 70 D mm. |
| Construction & finish | Hinged metal lid with grey and white label; Metal base. |
| IP Rating | IP30. |



Weight 2.3kg (without batteries).
Operating conditions/temperature -5°C to +40°C. Max relative humidity: 95%.



T 01942 322744 E sales@c-tec.co.uk
F 01942 829867 W www.c-tec.com



C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD United Kingdom



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C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD United Kingdom