

2816 ADDRESSABLE SOUNDER POWER SUPPLY UNIT

APPLICATIONS

The 2816 Addressable Sounder Power Supply Unit is designed for use with our Advanced Protocol range of equipment to enable programmable operation of audible and visual alarms at locations remote from the fire alarm panel.

A battery charger and dual addressable sounder controller is incorporated within the unit, which also has battery accommodation to enable operation in the event of mains supply failure.

The unit is assigned a dedicated address to enable both independent monitoring and control of each individually programmable output via the data loop.

FEATURES

- Addressable (Advanced Protocol)
- The One Input and Two Outputs only require One Loop Address
- Compact Design
- Available as PCB
- Fast Activation
- Synchronised Operation per Loop



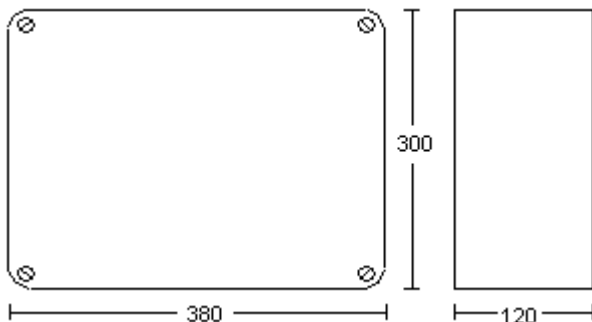
OPERATION

The 2816 Addressable Sounder Power Supply Unit provides two circuits, which are monitored for both open and short circuit faults. An integral switch is fitted internally to disable the monitoring function if so desired.

Each programmable circuit is independently fused and will enable conventional alarm devices to be operated continuously or intermittently, dependant on fire alarm panel software.

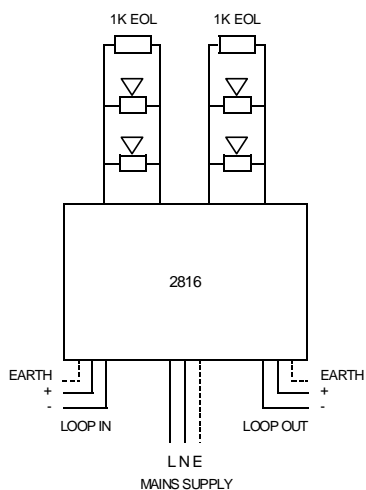
The power supply is also monitored through the addressable controller in order to generate a fault warning at the fire alarm control panel, in the event of mains supply failure, battery disconnection, etc.

APPROVALS: Suitable for use on BS5839 : Pt 1 :2002 systems



CABLE ENTRIES :

- Via 20 mm Knockouts
- 6 x Knockouts in top
- 6 x Knockouts in bottom



N.B. If PCB only is required without enclosure specify 2816/PC

SPECIFICATION

Order Code	2816
Operating Voltage	24v DC (17 – 41v DC)
Current Consumption Standby	Low power mode : 106uA (typical) Normal : 290uA (typical)*
Polling	22mA +/- 20% Add 200uA per active sounder line
Current Consumption (external supply)	8mA (per line) : sounder on 6mA (per line) : sounder fault
Input Threshold Levels	Short Circuit Fault < 50K Open Circuit Fault > 100K
Transmission Method	Digital communications : Advanced protocol
Operating Temperature Range	-10°C to +50°C
Material	Plastic enclosure and lid
Colour	Grey
Weight	4.5 kg
Dimensions	380 H x 300 W x 120 D
Maximum Humidity	95% RH – non condensing (at 40°C)