

4 Way Sounder Controller Unit MPU424



MPU424 4 way sounder controller unit

Overview

An extensive range of interfaces are available to support the Menvier range of control panels, providing solutions for most design requirements.

The MPU424 4 way sounder controller unit is a loop connected interface, which provides the facility to power and control 4 independent conventional sounder circuits. This greatly simplifies installation in applications where specialist sounders or beacons are required by avoiding the need to connect them directly to the intelligent addressable control panel.

The unit only uses a single address yet each circuit can be independently controlled according to the required cause and effect programming.

Features

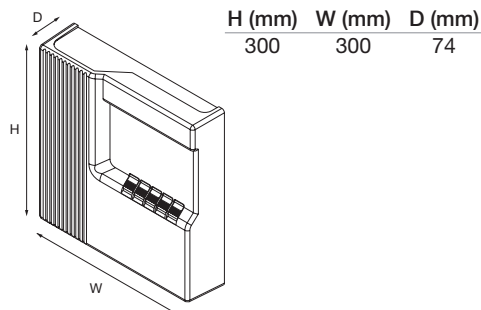
- Quick and simple to install
- Avoids the need to wire conventional sounders back to the main panel
- 4 separate sounder circuits (0.4A)
- All outputs are independently programmable
- Battery backup via integral battery
- Built in short circuit isolator
- Built in power supply

Benefits

- Plug and play, no hard addressing required
- Increased system integrity
- No external short circuit isolator required
- Beacon and strobe can be wired direct to the interface thereby saving time and cabling
- Reduce cost of installation

Intelligent Addressable 4 Way Sounder Controller Unit - MPU424

Dimensions



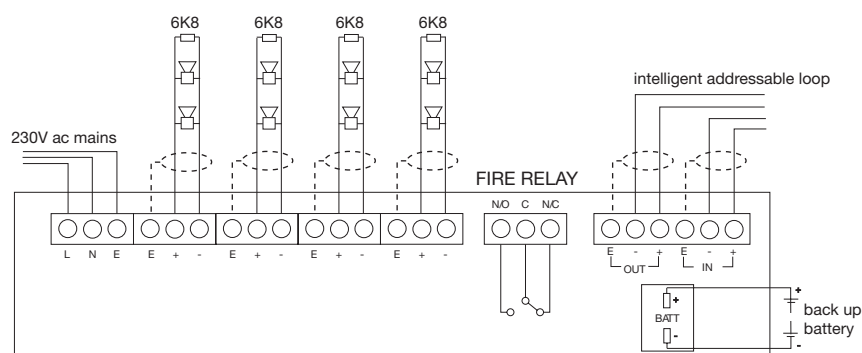
Technical Specification

| Code | MPU424 |
|------------------------------|--|
| Description | 4 channel sounder controller unit |
| Standards | EN54 Pt4 & Pt17 2005 |
| Specification | |
| Operating Voltage | 24V dc |
| Quiescent Current | 250µA |
| Mains Supply Voltage | 230V ac |
| Mains Current Consumption | 0.4A |
| Battery | 2 x 12 V, 4Ah, SLA |
| Standby Period | 24 hours + 30 minutes ringing |
| Sounder Circuit Output | 0.4A (max) |
| Sounder Load | 1.6A (max) |
| Fire Relay Switching Voltage | 30V dc |
| Switching Current | 1A (resistive), 0.5 A (inductive) (max) |
| Environmental | |
| Operating Temperature | -10°C to +45°C |
| Humidity (non condensing) | 0 to 95% RH |
| Physical | |
| Construction | ABS/steel |
| Dimensions (H x W x D) | 300mm x 300mm x 74mm |
| Weight | 5.4kg |
| Ingress Protection | IP30 |
| Compatibility | |
| Suitable for use with | Menvier intelligent addressable fire systems |

Installation

1. The sounder controller interface requires a local unswitched 230V supply and incorporates a back up battery to maintain functionality under mains failure conditions.
2. Cable entry can be top or rear.
3. Top entry is via 20mm conduit entries (pre-fitted with blanking plugs for unused entries).
4. Rear entry via substantial cable slot in metal back plate
5. Top cover secured with tamper resistant screws

Standard Connections



NOTES:

1. Earth (Screen) cable must be connected to its adjacent earth terminal.
2. The end of line resistor must always be fitted, even if input is not used.
3. Sounder circuits are monitored for wiring open and short circuit.
4. Output fire relay is a set of changeover volt free-contacts and is not monitored.
5. This unit should only be finally connected to the 230V ac mains supply and battery, during system commissioning.

Product Codes

| Code | Description |
|--------|-------------------------------|
| MPU424 | 4 way sounder controller unit |