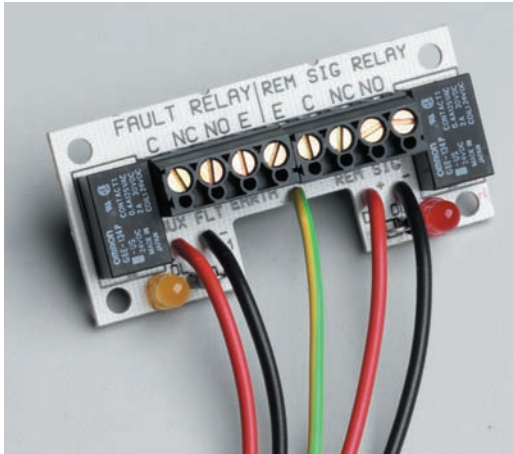
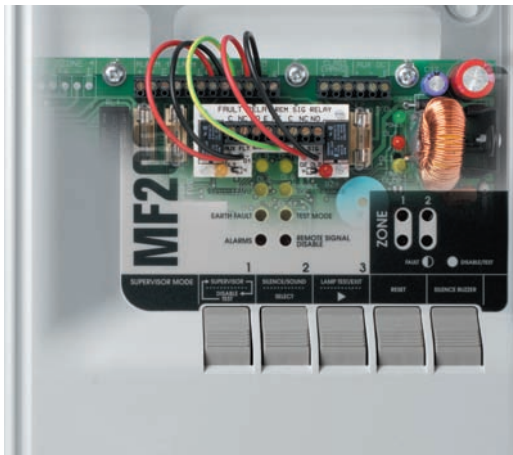


## MF200 and MF400 Range Control Panels



MAR424 remote fire and fault relay PCB



MAR424 fits inside MF200 and MF400 panels



MF200 control panel

### Overview

The Menvier MF200 and MF400 range of conventional control panels offer a competitive solution for smaller installations.

Easy to install and operate, the panels are designed to provide fire detection and alarm facilities in buildings where the basic elements of protection to meet BS5839 are required.

Available as either a 2 zone or 4 zone panel with up to 20 detectors per zone can be connected.

This range of Menvier control panels are conveniently supplied complete with end of line devices and batteries offering 24 hours standby as standard, with the option of 72 hours on the 4 zone version.

One man walk test and class change facilities, along with 24V dc remote signalling fire and fault outputs augment a value for money range.

### Features

- 2 or 4 zone panels
- Competitively priced
- Supplied complete with battery and end of line devices

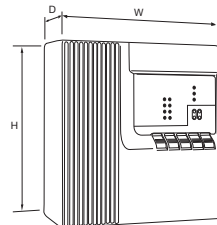
### Benefits

- Simple end user operation
- One man walk test facility
- Fully compatible with Menvier range of ancillaries

## Technical Specification

Code	MF200	MF400
Description	2 zone control panel	4 zone control panel
Standards	EN54 Pt2 & Pt4 1998, EN50130 Pt4 1996	EN54 Pt2 & Pt4 1998, EN50130 Pt4 1996
<b>Specification</b>		
Number of Zones	2	4
Detectors per Zone	20	20
Number of Alarm Lines	2	2
Alarm Circuit Load	375mA per circuit. 750mA total	375mA per circuit. 750mA total
End of Line Devices	Detection circuits: 22K $\Omega$ resistor Alarm lines: 22K $\Omega$ resistor	Detection circuits: 22K $\Omega$ resistor Alarm lines: 22K $\Omega$ resistor
Auxiliary Fire Signal Output	24V dc pull to 0V. Max 10mA	24V dc pull to 0V. Max 10mA
Auxiliary Fault Output	24V dc pull to 0V. Max 10mA	24V dc pull to 0V. Max 10mA
Auxiliary dc Output	24V dc fused. 32mA (up to 100mA at the expense of alarm load)	24V dc fused. 32mA (up to 100mA at the expense of alarm load)
Mains Input Voltage	240V ac +10%-15%	240V ac +10%-15%
System Operating Voltage	24V dc	24V dc
Standby Duration	24 hours	24 hours (72 hours on MF400-72)
Battery	1 x 4Ah sealed lead acid battery	1 x 4Ah sealed lead acid battery (1 x 7Ah on MF400-72)
Recharge Period	48 hours (80% in 24 hours)	48 hours (80% in 24 hours)
<b>Environmental</b>		
Operating Temperature	-5°C to +40°C	-5°C to +40°C
Humidity (Non Condensing)	0 to 75% RH	0 to 75% RH
<b>Physical</b>		
Construction	ABS/Polycarbonate housing. Steel back box.	ABS/Polycarbonate housing. Steel back box.
Dimensions (H x W x D)	300mm x 300mm x 74mm	300mm x 300mm x 74mm
Weight	4.8kg	4.8kg (6.0kg on MF400-72)
Ingress Protection	IP30	IP30
Cable entries	Top: 10 x 20mm conduit entries Bottom: 1 x 20mm conduit entry (mains cable) Back: 1 x mains cable entry slot	Top: 10 x 20mm conduit entries Bottom: 1 x 20mm conduit entry (mains cable) Back: 1 x mains cable entry slot

## Dimensions



H (mm)	W (mm)	D (mm)
300	300	74

## Product Codes

Code	Description
MF200	Conventional 2 zone control panel
MF400	Conventional 4 zone control panel
MF400-72	Conventional 4 zone control panel (72 hour standby)
MAR424	Conventional fire and fault relay PCB
MFALOG	Fire alarm system log book

## Installation

1. A full set of Installation and user Instructions is supplied with each panel to assist the installer to carry out the work efficiently and safely, and the user to perform routine tests.
2. Panels are wall mounted via keyhole slot mounting holes on back of housing.
3. Mains power supply cable must be routed via the designated 20mm conduit entry on the top or bottom of the housing, or via the rear cable entry slot. The mains terminal block is provided with fuse protection.
4. A total of 10 x 20mm conduit entries are provided on the top of the housing for zone, alarm and output cables. Blanking plugs are supplied for unused entries.
5. Standby battery connected via push-on terminal connectors.
6. End of line (EOL) devices are supplied with the panel and must be fitted at the end of each detector and alarm circuit wiring.
7. Front cover retained by anti-tamper screws.

## System Functionality

1. Normal and supervisor mode facility. Supervisor mode protected by 4 digit security code to prevent unauthorised use.
2. Supervisor mode provides access to test mode, where zones can be tested individually.
3. One man walk test feature permits each manual callpoint and detector on the zone in test mode to be put into fire condition and activates the alarms for 2 seconds. Panel automatically resets the zone 10 seconds after each device has been tested. A fire condition received from a zone not in test mode results in an immediate alarm, overriding the test mode.
4. Supervisor mode also provides facility to disable/isolate the following for maintenance or other purposes
  - each detection zone independently
  - the alarm circuits
  - the remote signal outputs

## User Interface

1. Attractive compact panel with easy to use 5 button keyboard to control all functions
2. Comprehensive power, fire and fault LED indicators and integral piezo buzzer for on-board fire or fault indication

## Interface Options

1. Class change input facility. Terminals provided for switching of alarm circuits to indicate school/college class change.
2. 24V dc outputs provided for remote signalling of fire and fault conditions.
3. Optional relay board available (MAR424) to convert fire and fault signals to volt free change over rated at 24V dc, 1A dc.
4. Auxiliary 24V dc output power supply provided as standard.

## Detection Capacity

1. Up to 20 detectors per zone. End of line monitoring devices must be fitted and are supplied as standard.
2. Detector circuits are monitored for open circuit, short circuit and detector removal.

## Alarm Capacity

1. Two separate alarm lines, each with a maximum rated load of 375mA.
2. Alarm lines are monitored for open circuit and short circuit faults.

## Standard Panel Connections

