



# MAD-431

# MAD-431-I

# MAD-432

# MAD-432-I

## Addressable Module 1 & 2 Powered Supervised Relay

### Description

The range of MAD-400 modules has been developed to offer a wide and complete range of input and output ports to be used with DETNOV's CAD-150 family of analogue fire control panels. These modules let you manage a wide variety of situations, by monitoring and acting according to the installation's requirements. All the modules of this range are available with and without Isolator.

The MAD-400 modules have been designed to facilitate their installation process, and they may be installed using screws or fitted into a DIN rail. Each module is equipped with removable terminal blocks and a LED status indicator. The addressing of the modules is carried out through the PGD-200 programmer (Isolator version support auto addressing).

The MAD-431 and MAD-432 modules provide 1 or 2 supervised 24V outputs which may be configured through a micro-switch as supervised voltage outputs or a supervised sounder outputs. When they are configured as a sounder output, switching the sounder control panel's keys on and off will control the modules by switching the outputs of the modules on and off.

The MAD-431 and MAD-432 modules require a 24V auxiliary power supply to supply the load.

### Features

- Simple installation on the wall or fitted into a DIN rail
- Non-polarity supported
- Addressing through a programmer
- Stable communication protocol with immunity to noise
- Requires an auxiliary 24V power supply
- Connections through removable terminal blocks, and simple fitting of the cable
- EN54-18 and EN54-17 approved
- MAD-431-I and MAD-432-I with Isolator

## Applications

The MAD-431 and MAD-432 modules are ideal for connecting conventional sounders to the analogue system, and provide savings in the total installation cost. They are ideal for activating any device which requires 24V.

## Technical features

<b>Module</b>	
Loop features:	Operating voltage: From 22 to 38VDC Quiescent current consumption: < 300 µA Alarm current consumption: < 3 mA
Auxiliary power supply features:	Operating voltage: 24VDC Quiescent current consumption: < 5 mA Maximum alarm current consumption: 1A
Output features:	Operating voltage: 24VDC Quiescent current consumption: < 5 mA Maximum alarm current consumption: 1A
Relay contacts:	1A at 30VDC
<b>Connections</b>	
2 x 1.5 mm <sup>2</sup> twisted and shielded cable	
<b>Environment</b>	
Operating temperature:	From -10°C to +70°C
Relative humidity:	95% without condensation
IP index:	IP40
<b>Physical features:</b>	
Size:	100 mm x 82 mm x 23 mm
Size with removable terminal:	100 mm x 100 mm x 23 mm
Material:	ABS
<b>Approvals</b>	
MAD-431 and MAD-432 Certification EN54-18 MAD-431-I and MAD-432-I Certification EN54-18 and EN54-17	
MAD-431, MAD-432 Certificate number:	0370-CPR-1189
MAD-431-I, MAD-432-I Certificate number:	0370-CPR-1863

## Dimensions:

