



MAD-431

MAD-431-I

MAD-432

MAD-432-I

Addressable modules 1 &
2 powered supervised relay
outputs

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 addressable fire control panels.

The MAD-400 modules allow performances and manoeuvres for the proper functioning of the fire detection system, monitoring and/or acting according to the needs of the installation.

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 or auto addressing for isolator version.

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 conventional sounders output. When they are configured as sounder output, switching the sounder control panel's key 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 24V auxiliary power and are assigned a number of loop addresses according to the number of inputs and outputs available in the module.

The MAD-431-I and MAD-432-I modules are equipped with integrated isolator.

All the range of MAD-400 modules can be installed inside the BOX-ONE and BOX-SIX boxes.

Features

- Simple installation on the wall or fitted into a DIN rail
- Non-polarity supported (only MAD-401 and MAD-402)
- Addressing through a programmer
- Requires an auxiliary 24V power supply
- Connections through removable terminal blocks and simple fitting of the cable
- EN 54-18 and EN 54-17 approved

Applications

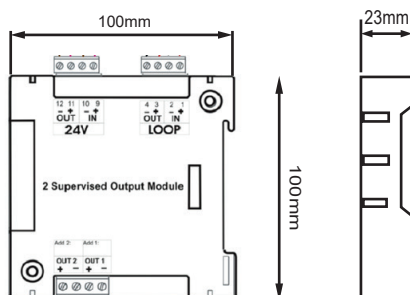
The MAD-431 and MAD-432 modules are ideal for connecting conventional sounders to the addressable system and provide savings in the total installation cost. They are also ideal for activating any device which requires 24V.

Technical features

Module	
Loop features:	Operating voltage: From 22 to 38VDC Quiescent current consumption: < 300 μ A Alarm current consumption: < 3 mA
Auxiliary power supply features:	Operating voltage: 24VDC Quiescent current consumption: < 5 mA Alarm current consumption: 1 A
Output features:	Operating voltage: 24VDC Quiescent current consumption: < 5 mA Alarm current consumption: 1 A
Relay contacts:	1A @ 30VDC
Connections	
2 x 1,5 mm ² twisted and shielded cable (1)	
Environment	
Operating temperature:	From -10°C to +70°C
Relative humidity:	95% without condensation
IP Index:	IP40
Physical features	
Size:	100 mm x 100 mm x 23 mm
Material:	ABS
Approvals	
EN 54-18 and EN 54-17 (only MAD-431-I and MAD-432-I)	
MAD-431, MAD-432 Certificate number:	0370-CPR-1189
MAD-431-I, MAD-432-I Certificate number:	0370-CPR-1864

(1) Use the "System Calculation" tool to check the maximum number of devices and loop length, in accordance with the cross-section of the cable used.

Dimensions



* Dimensions of MAD-432 module. The same size for all the range MAD-400.