



MAD-405-I MAD-415-I MAD-409-I MAD-419-I MAD-425-I MAD-429-I

Addressable modules with multi
technical inputs and 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.

This range of modules consists of:

- MAD-405-I Addressable module 5 technical inputs
- MAD-409-I Addressable module 10 technical inputs
- MAD-415-I Addressable module 5 relay outputs
- MAD-419-I Addressable module 10 relay outputs
- MAD-425-I Addressable module 5 technical inputs & 5 relay outputs
- MAD-429-I Addressable module 10 technical inputs & 10 relay outputs

These modules require 24V auxiliary power ⁽¹⁾ and are assigned a number of loop addresses according to the number of inputs and outputs available in the module

Technical inputs can be configured through a micro-switch, depending on the signal type: to monitor NC or NO input. Monitoring of technical input can also be configured or not.

The entire range is supplied inside the BOX-ONE box.

(1) The MAD-405-I and MAD-409-I modules of technical inputs can be directly fed to the loop.

Features

- Complete range of input and output modules
- Easy installation and maintenance
- Addressing through a programmer or auto addressing
- Requires an auxiliary 24V power supply ⁽¹⁾
- With isolator. Connection with polarity
- EN 54-17 and EN 54-18 approved

Applications

The inputs and outputs modules allow the performance and manoeuvres for the proper functioning of the fire detection system, monitoring and acting according to the needs of the installation.

Inputs can be used to monitor any event that want to have controlled and outputs can be used as a peripheral actuator to the fire detection system. In all cases the modules act independently, being possible to assign specific manoeuvres to each of the inputs and outputs.

Technical features

Module	
Loop features:	
Operating voltage:	From 22 to 38VDC
Quiescent current consumption:	< 300 μ A
Alarm current consumption:	< 3 mA
Technical input through a NC or NO contact (configurable)	
Relay contacts:	1 A @ 30VDC
Connections	
2 x 1,5 mm ² twisted and shielded cable (2)	
Environment	
Operating temperature:	From -10°C to 70°C
Relative humidity:	95% without condensation
IP Index:	IP40
Physical features	
Size:	172 mm x 162 mm x 43 mm
Material:	ABS
Approvals	
EN 54-18 and EN 54-17	
Certificate number:	0370-CPR-3151

(2) 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

