



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

Multi-input and multi-output
addressable modules

Description

The MAD-400 addressable module range has been developed to offer a comprehensive input and output module solution for detection loops in Detnov addressable control panels.

The input and output modules can be used to carry out the operations required to ensure the proper functioning of the fire protection system, monitoring and acting in accordance with the facility's requirements.

All the modules in the range have a built-in isolator, as well as removable power strips and a LED status indicator.

The PGD-200 programmer is responsible for the module addressing tasks. Alternatively, the fire detection control panel's auto-addressing function can be used for such purposes.

The range of modules comprises:

- MAD-405-I Module with 5 technical inputs
- MAD-409-I Module with 10 technical inputs
- MAD-415-I Module with 5 relay outputs
- MAD-419-I Module with 10 relay outputs
- MAD-425-I Module with 5 technical inputs and 5 relay outputs
- MAD-429-I Module with 10 technical inputs and 10 relay outputs

A specific number of loop addresses is assigned to each module, in accordance with the number of inputs and outputs of the module.

The modules require 24 V auxiliary power, 250 mA consumption, except for models MAD-405-I and MAD-409-I, which can be powered directly in the loop. The technical inputs can be configured using a micro-switch, depending on whether an NC or NO input needs to be controlled or not. The technical input can also be configured as supervised or unsupervised.

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

Characteristics

- Full range of input and output modules
- Easy installation and maintenance
- Addressing via programmer or auto-addressing
- Powered with 24V, 250 mA consumption ⁽¹⁾
- Built-in isolator
- CPR certified (EN 54-17 and EN 54-18)

Applications

The input and output modules can be used to carry out the operations required to ensure the proper functioning of the fire protection system, monitoring and acting in accordance with the facility's requirements.

The inputs can be used to monitor any event that must be controlled, and the outputs can be used as a peripheral actuator of the fire protection system. The modules act independently, meaning specific operations can be assigned to each input and output.

Technical Features

Module	Loop characteristics:	
	Operating voltage:	22 to 38 Vdc ⁽¹⁾
	Standby consumption:	< 300 µA
	Alarm consumption:	< 1 mA
	Relay contacts:	1A @ 30 Vdc
Connections		
		2 x 1.5 mm ² twisted and shielded ⁽²⁾
Environment		
	Operating temperature:	-10°C to 70°C
	Relative humidity:	95%, non-condensing
	IP rating:	IP40
Physical characteristics:		
	Dimensions:	172 mm x 170 mm x 48 mm
	Box material:	ABS
Certification		
	EN 54-18 and EN 54-17	
	Certificate no.:	0370-CPR-3151

(1) Except models MAD-405-I and MAD-409-I, which can be powered directly in the loop.

(2) Check with the Loop Calculator tool for other options