



# MAD-461

# MAD-463

## Addressable Sounders

### Descriptions

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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.

The MAD-461 and MAD-463 analogue sounders are designed to be used with DETNOV's analogue fire control panels. The MAD-461 provides an acoustic signalling while MAD-463 provides optical-acoustic signalling, both to the fire detection system. The sounders are directly connected to the loop and they must be addressed through the PGD-200 programmer. Each sounder takes up 1 address in the loop.

Due to its novel design, current consumption has been reduced to 7 mA. Installing up to 50 sounders per loop is possible due to low current consumption.

### Features

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- Compatible with DETNOV's fire control panels
- Addressable sounders
- Low current consumption
- Two-wire connection with non-polarity
- Loop-powered device
- Connections through removable terminal blocks, and simple fitting of the cable
- EN54-3 approved

## Applications

Analogue sounders are used to warn people in a building to start the evacuation procedure in the event of an alarm. They are the basic elements for warning people in any fire detection system installation.

## Technical features

Sounders	
Loop features:	
Operating voltage:	From 22 to 38VDC
Quiescent current consumption:	< 300 $\mu$ A
Alarm current consumption:	< 7 mA
Connections	
	2 x 1.5 mm <sup>2</sup> twisted and shielded cable
	Maximum quantity of sounders in the loop 50 sounders in 1 km loop 25 sounders in 2 km loop
Environment	
Operating temperature:	From -10°C to +70°C
Relative humidity:	95% without condensation
IP index:	IP21
Physical features:	
Size (height x $\varnothing$ ):	69,6 mm x 92 mm
Material:	ABS
Approvals	
	EN54-3
	MAD-461 Certificate number: 0370-CPD-2021

## Dimensions

