

G000268

# I/O M 700 H

Part no. 5100077-01A

System: TERRA FIRE

## General Description

I/O M 700 provides eight programmable I/O 700 channels, used for either:


- Programmable Inputs
- Outputs max\* 700 mA for magnets, power supply etc

Use the I/O M 700 as an input module, or use it to monitor, control, and/or supply units such as alarm devices, magnets. It can also provide constant power supply to other system modules such as Control and Repetar Panels etc.

For details on assembling a system and definitions of common system terms, refer to the Installation Manual.

\* It is possible to connect up to three outputs in parallel, if the power demand is greater than 700 mA.

## Data

Operating voltage range	19-30 VDC
Current consumption (at 24 V)	17 mA
Max. output current per channel	700 mA
Max. total current	4.0 A
ELR input/output	30 k $\Omega$ (optional)
Cable terminals	2.5 mm <sup>2</sup>
Operating temperature range	-5 °C to +55 °C
	-5 °C to +55 °C
Weight (with housing)	130 g
Spare part no. (without housing)	5100076-03A
Certified according to	 2531/yy

yy = year of production

Certified according to



2531-CPR-232.1686  
DOP no. 6301900

## Protections against overload

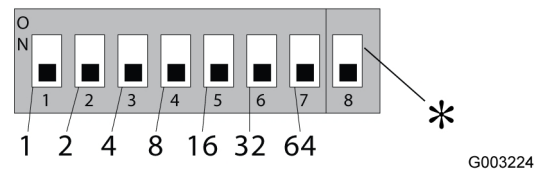
Module protection	Equipped with a fusible cut-out
Adjustable protection, max total	4 A / system module
Protection on each output	Normal current 0.7 A For short duration, 2 A electronic limit, before the load is disconnected

## Settings

The module is identified by a physical address on the Backbone Bus. The address is set with an 8-pole DIP switch.

## Address switch

The DIP switch value follows the binary system. The address no. can be set from 1 to 126 using DIP-switch poles 1 to 7.



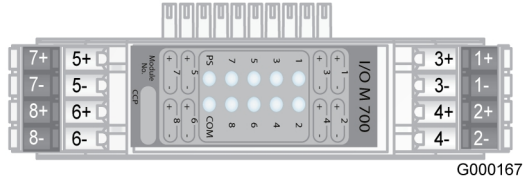
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### NOTE!

If DIP switch 8 is used output 5-8 will always be active. In this case output 5-8 must be set to "not used" in the configuration program to avoid a configuration fault in the system.

## Connections

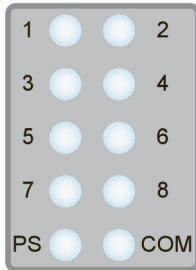


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I/O M 700							
ADDRESS:							
1	2	3	4	5	6	7	8
I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT	I/O 700 PROGRAMMABLE OUTPUT
24V 0.7A	24V 0.7A	24V 0.7A	24V 0.7A	24V 0.7A	24V 0.7A	24V 0.7A	24V 0.7A
1+	1-	2+	2-	3+	3-	4+	4-

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## Indicators

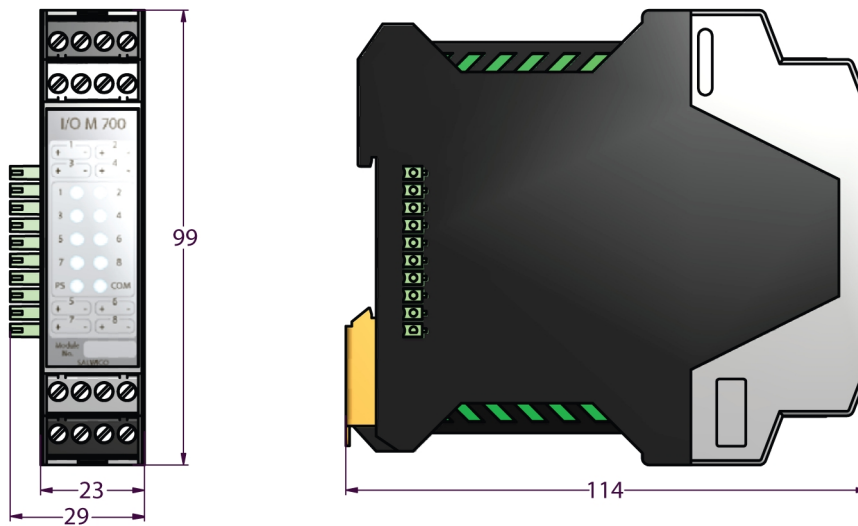


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Indicator	Colour, pattern	Module status when used as an output	Module status when used as an input
Channels 1 – 8	Green	The output is ON	The input is activated
	Yellow	Output fault	Input fault
	None	The output is OFF	The input is not activated

Indicator	Colour, pattern	Module status
PS (Power Supply)	Green	Power OK
	Yellow	Power Fault
COM (Communication)	Green	Communication OK
	Green, flashing	Communication OK, module not configured
	Yellow	Communication fault
PS + COM	PS = Yellow, flashing COM = Green	Boot-loader mode
PS + COM (both flashing)	PS = Yellow, flashing COM = Yellow, flashing	Boot-loader mode, Firmware download in progress
PS + COM	PS = Yellow, flashing COM = None	Safe State (module is not functional)

## Module Dimensions (mm)



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## Mounting

Mount the module on a horizontal 35 mm DIN rail.