



G017121

Digital Output Module

CM-DO700-G

Part no. 5100076

System: CGD50/500, CGS50/500

General Description

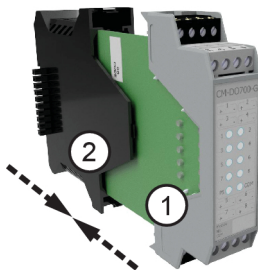
The CM-DO700-G is an output module intended for use in a gas alarm system. The module provides digital output channels for cable monitoring and for control of power supply to units such as alarm devices.

The CM-DO700-G is used for an output current of maximum 700 mA, but it can provide a maximum current of 1400 mA if two outputs are connected together.

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

Part numbers:

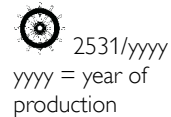
Item	Part name	Part no.
1 & 2	CM-DO700-G with housing, fully assembled	5100076-22
1 + 2	CM-DO700-G with housing, delivered as two parts	5100076-21
1	Spare part: CM-DO700-G (without housing)	5100076-20
2	Spare part: Housing	5100102-01



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Data

Operating voltage range	19-30 V DC
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 Ω (optional)
Cable terminals	2.5 mm ²
Operating temperature range	-5 °C to +55 °C
Weight (with housing)	130 g \pm 5%
Certified according to	



Protections against overload

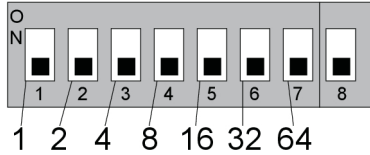
Module protection	Equipped with a fusible cut-out
Adjustable protection, max total	4 A / system module
Protection on each output	Normal current 0.7 A For short duration, 2 A electronic limit, before the load is disconnected

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

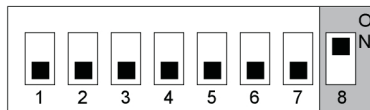
The DIP switch value follows the binary system. The address no. can be set from 1 to 126 using DIP-switch poles 1 to 7.



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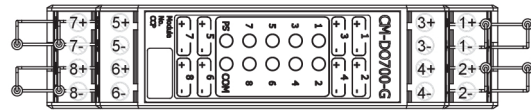
Gas function switch

The DIP switch pole no. 8 must always be set for the module to function properly.



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Connections

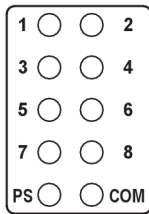


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CM-DO700-G ADDRESS:							
1	2	3	4	5	6	7	8
DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE OUTPUT	DO 700 PROGRAMMABLE 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

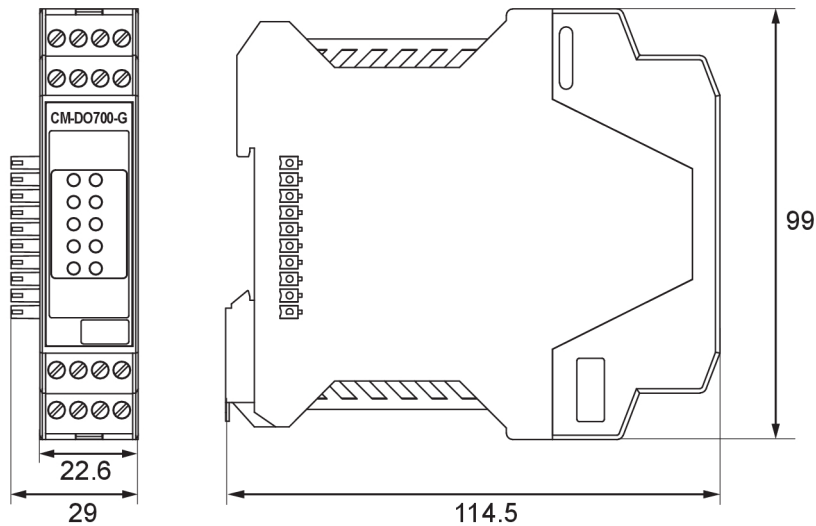


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Indicator	Colour, pattern	Module status
Channels 1 – 8	Green	The output is ON
	Yellow	Output fault
	None	The output is OFF

Indicator	Colour, pattern	Module status
PS (Power Supply)	Green	Power OK
	Yellow	Power Fault
COM (Communication)	Green	Communication OK
	Green, flashing 500 ms on/500 ms off	Communication OK, module not configured
	Yellow	Communication fault
PS + COM	PS = Yellow, flashing 500 ms on/500 ms off COM = Green	Boot-loader mode, waiting for firmware
PS + COM (both flashing)	Both yellow, flashing 500 ms on/500 ms off	Boot-loader mode, firmware download in progress
PS + COM	PS = Off COM = Flashing 1000 ms on/500 ms off	Quarantine (safe mode, module is not functional)

Dimensions (mm)



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