DATA SHEET 1(3)



# Digital Input Module

## CM-DI70-G

Part no. 5100074

G017120

System: CGD50/500, CGS50/500

### **General Description**

The CM-DI70-G is an input module intended for use in a gas alarm system. The module provides digital input channels for monitoring of input signals.

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

#### Part numbers:

Item	Part name	Part no.
1 & 2	CM-DI70-G with housing, fully assembled	5100074-22
1 + 2	CM-DI70-G with housing, delivered as two parts	5100074-21
1	Spare part: CM-DI70-G (without housing)	5100074-20
2	Spare part: Housing	5100102-01



G017209

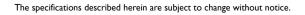
#### Data

Operating voltage range	19-30 V DC
Current consumption (at 24 V)	12 mA
Current consumption (at 8 EIR 10 $k\Omega$ )	32 mA
Max. current per channel	70 mA
Max. total current	0.6 A
ELR input/output	10 k $\Omega$
Cable terminals	2.5 mm <sup>2</sup>
Operating temperature	-5°C to +55°C
Weight (with housing)	130 g ± 5%
Certified according to	



2531/yyyy

yyyy = year of production







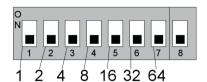
DATA SHEET 2(3)

#### 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

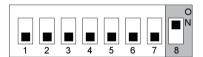
The DIP switch value follows the binary system. The address no. can be set from 1 to 126 using DIP-switch poles 1 to 7.



G000668

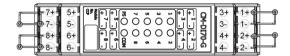
#### Gas function switch

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



G017288

#### Connections



G017204

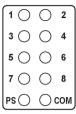
CM-DI70-G													
ADDRESS:													
1	2	,	3	4	ļ	į	5	(	3	7	7	8	3
INPUT	INPUT	INPUT	DI 70	INPUT	DI 70	INPUT	DI 70	INPUT	DI 70	INPUT	DI 70	INPUT	DI 70
<b>24V</b> 70mA	24V 70m/			24 70r		24 70r	V nA	24 70r		<b>24</b> 70r		2 <b>4</b> 70r	
7 7	2+	υ ψ	φ	4+	4-	5+	ပှ	6+	ဝှ	7+	7-	8+	φ

G017205

**@ Consilium** 

3(3) DATA SHEET

#### **Indicators**

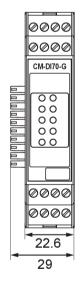


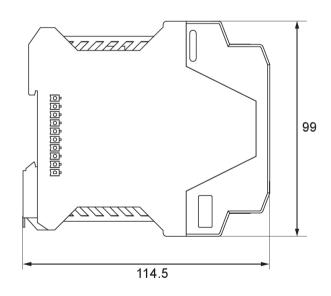
G017285

Indicator	Colour, pattern	Module status
	Red	The input is activated
Channels 1 – 8	Yellow	Input fault
	None	The input is not activated

Indicator	Colour, pattern	Module status				
DC (Dayyan Cyanly)	Green	Power OK				
PS (Power Supply)	Yellow	Power Fault				
	Green	Communication OK				
COM (Communication)	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)





The specifications described herein are subject to change without notice.

Data sheet no. 5100074\_CM-DI70-G\_M\_EN\_2018\_A



G017123