

**INSTALLATION AND INSTRUCTION MANUAL****SUPPLEMENT for model****CAN-I/O-DXX3XX0000A040000000420-00-T89****code F056105****Code 81506 Edition 11-2013 - ENG****WARNING!**

This manual must be kept on hand together with the basic generic CAN-IO manual for all persons who use the devices described herein.

Always be sure that you have the most recent version of this manual, which you can download free of charge from Gefran's website (www.gefran.com).

Installers and/or maintenance personnel **MUST** read this manual and precisely follow the instructions contained herein and in the attachments: Gefran will not be liable to any harm to persons and/or damage to property or to the product itself if the conditions described below are not respected.



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CAN-IO

This module for remote inputs and outputs (I/O) lets you:

- acquire a wide range of data from controlled devices and the environment by means of signals and sensors;
- control and adjust devices by means of various types of signals and commands.

There are various models of the module, with control of up to 40 channels (inputs and outputs).

The module is supplied for plate mounting with IP00 protection rating.

The following table shows the IO resources on the CAN-IO card code F056105 initials CAN-I/O-DXX3XX0000A040000000420-002-T89.

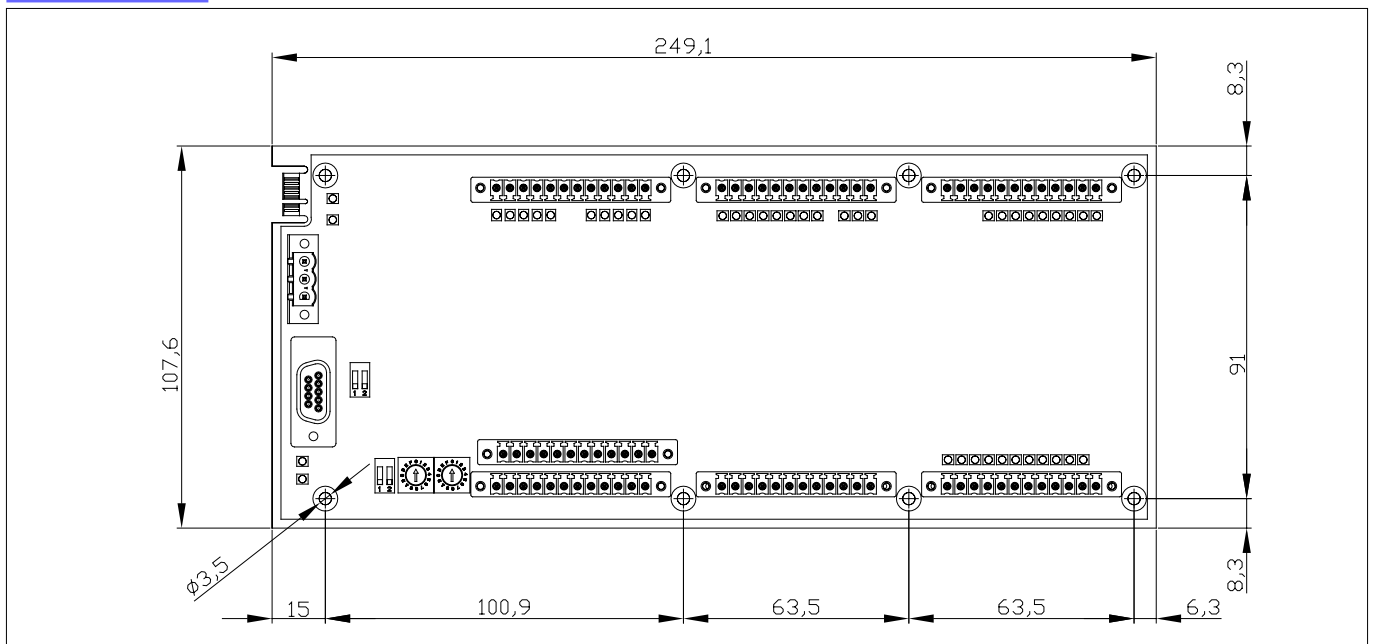
Description	No
+24V digital inputs – current draw	14
+24V digital inputs – current draw/emission (HW configurable)	4
Fast counters 50 kHz	3
+24VDC digital outputs 0.5°	18
Pt100 temperature inputs	4
0...20Ma analog inputs	4
0...10V analog outputs	2

Technical data

CONFIGURABLE DIGITAL INPUT	Number	4
	Type	Current draw/emission type 1, 2, 3
	Nominal voltage	24 Vdc
	Max. input voltage	32 Vdc
	Max. input current: configured in draw configured in emission	3,5 mA 6 mA
	Switching threshold	Low: ≤ 7 VDC High: ≥ 9 VDC
	Hardware filter	100 Hz
	Switching delay	0 \Rightarrow 1: 100 μ s 1 \Rightarrow 0: 85 μ s
	Protections	Polarity inversion Overvoltage: max 1 kV for 1 ms
	Electrical isolation	Channel-channel: no Channel-bus: 2 kV
VOLTAGE ANALOG OUTPUT 0...10V	Number	2
	Type	Single-ended voltage 0...10V
	Max. output current	20 mA
	Refresh time	10 ms
	Settling time	1 ms
	Output format	Type: INT Resolution: 13 bit (-4096 ... 4095) LSB: 2,44 mV
	Max. error @ 25°C	$\pm 0,5\%$ full scale
	Protections	Short circuit ± 10 V: si Overvoltage: max 1 kV per 1 ms
	Electrical isolation	Channel-channel: no: no Channel-bus: 2 kV

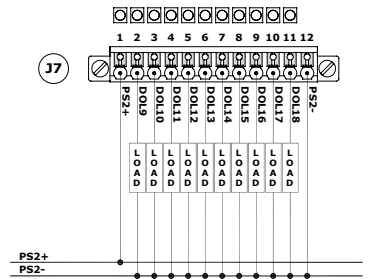
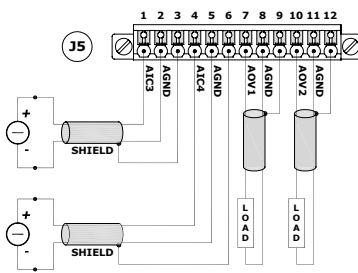
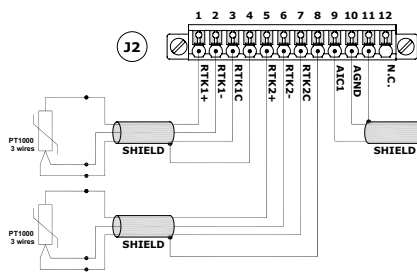
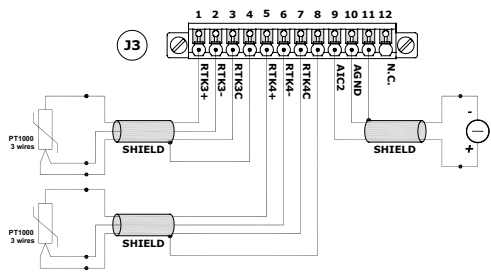
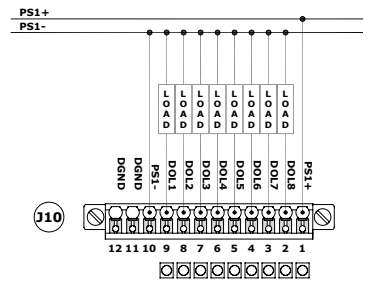
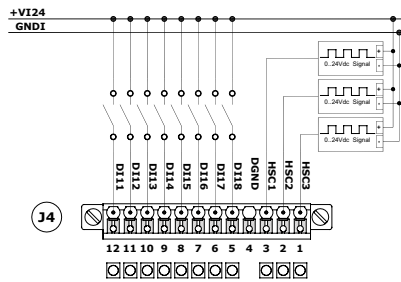
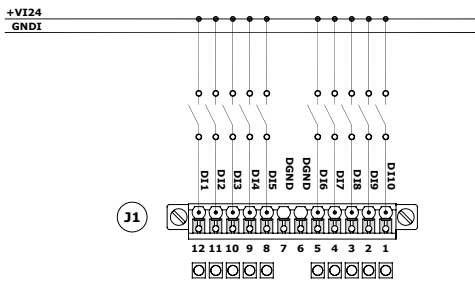
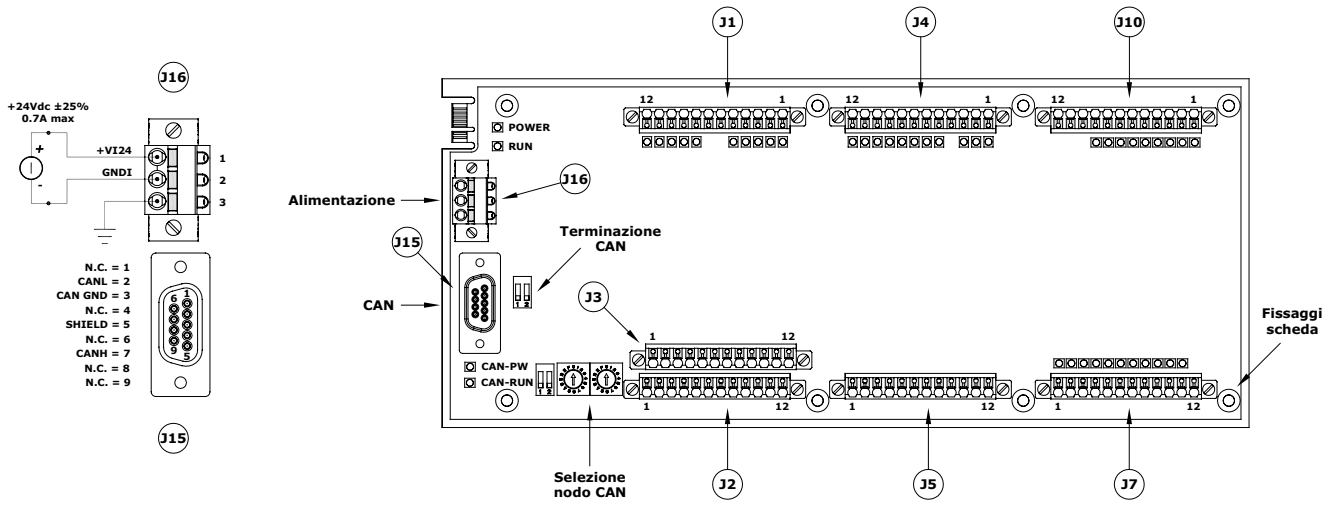
See the generic CAN-IO module manual for technical data for the remaining IOs.

Dimensions

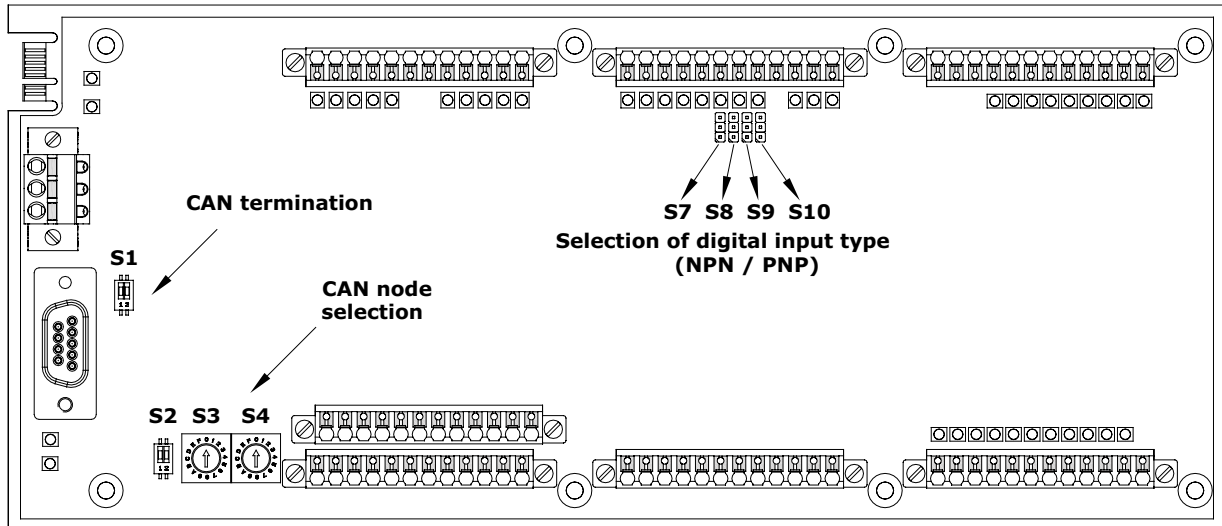





The module is supplied for mounting on the plate inside the panel. Use spacers with 10 mm minimum height and M3 screws.



IO module connections











Configuration



Selection of CAN node address	
S2	 Hundreds
S3	 Tens
S4	 Units

CAN line terminations	
S1	 ON – Terminations on
	 OFF – Terminations off

Selection of digital input type (NPN / PNP) for DI15-DI16-DI17-DI18	
S7	 DI15 - PNP current draw (Sink mode)
	 DI15 - NPN current emission (Source mode)
S8	 DI16 - PNP current draw (Sink mode)
	 DI16 - NPN current emission (Source mode)
S9	 DI17 - PNP current draw (Sink mode)
	 DI17 - NPN current emission (Source mode)
S10	 DI18 - PNP current draw (Sink mode)
	 DI18 - NPN current emission (Source mode)

Shift the jumpers to the correct position based on the required input type.

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