

CM-80T4

Gas Detection Control Unit



GENERAL DESCRIPTION

CM-80T4 control units are a series of data acquisition and control modules, for analogue and digital signals ideal for small and medium gas detection systems.

Different gas detectors for different gases (including oxygen gas detectors) can be connected to CM-80T4 control unit.

Gas type, detection range, detector full scale, alarm thresholds are programmable by operator. Programming details are protected by Password.

All CM-80T4 series control panels are extremely well isolated, noise resistant and have n.8 analogue inputs for the connection of a maximum of n.8 gas transmitters 4-20mA.

CM-80T4 control units have internal stabilized 24 Vdc 2.5A Power Supply and a 24Vdc output for 7.2 A/h back-up batteries.

A built-in protective circuit controls the battery efficiency, isolating it in case of under or over voltage.

CM-80T4 can be supplied in "Open Frame" version or installed in a wall mounting metal cabinet IP20 rated or polyester cabinet IP66 rated with Power Supply included, completely wired and programmed according to specific customers requests.



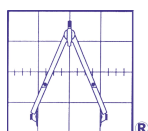
Applications:

- Multigas detection systems for industry
- Commercial buildings
- Gas Storage plants and warehouses
- Waste water plants
- Car parkings monitoring - Building automation
- Process monitor systems
- Security systems

Main Characteristic

- 8 Analogue Inputs for 4-20mA transmitters
- 2 Optocoupled Digital inputs
- Backup battery circuit
- Backlighted LCD display 2 lines x 20 characters for on site main information visualization
- Front panel with graphic indications
- Configuration SD Card

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GENERAL SPECIFICATIONS

TTL / CMOS or Contacts
 8 x Analogue Inputs
 2 x Digital Inputs
 6 x Relays outputs

Optocoupled interface
 4-20mA
 Optocoupled
 Free Voltage Contact

ENVIRONMENTAL SPECIFICATIONS

EMC
 Storage temperature
 Operating temperature
 Humidity range

According to EN61000-4
 -40 to 85 °C
 -20 to 70 °C
 90% R.H. n.c.

MECHANICAL SPECIFICATIONS

Overall dimensions
 Mounting rails
 Metal Box IP20 version:
 Polyester Box IP66 version:
 Cabling
 Material (Box)
 Weight

Open Frame model:
 185 x 70 x 130 mm (LxWxH)
 Din 41612
 360x260x390 mm (LxWxH)
 400x200x500 mm (LxWxH)
 Screw terminals AWG 26...14
 Laminated steel, painted
 0,4 Kg. (Open Frame)
 2,0 Kg. (Metal Box)

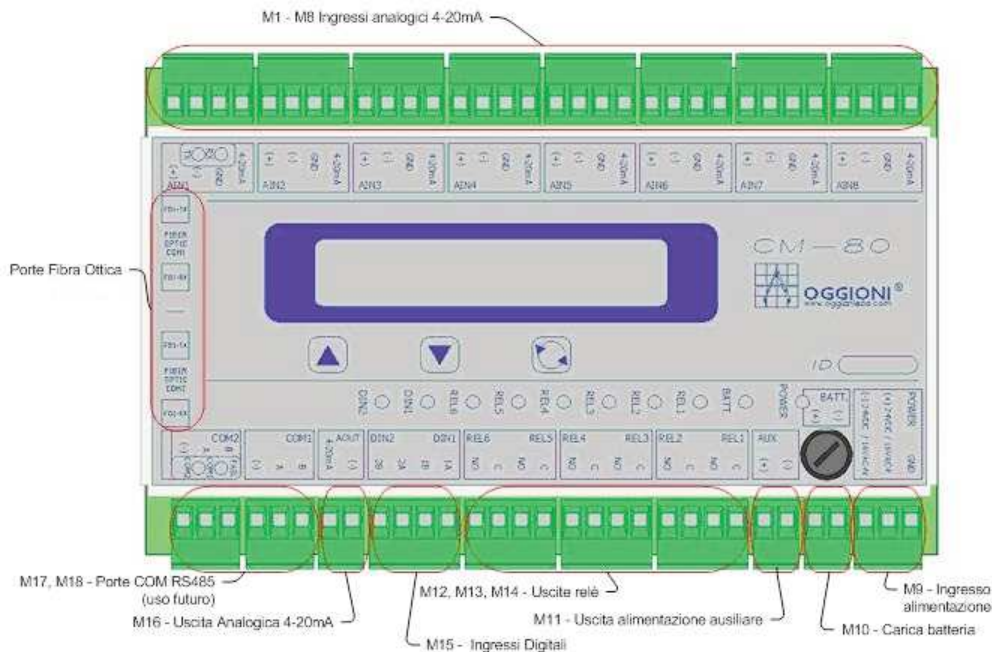
ELECTRICAL SPECIFICATIONS

Supply voltage (open frame)
 Supply voltage (Box)
 Power Consumption
 Stabilised power supply output
 Supply Fuse
 Auxiliary Power Supply Fuse
 Overvoltage protection
 Output Contacts
 Contact Rating

24 Vdc
 220Vac
 Max. 350mA at 24Vdc
 24Vdc 0,5A
 3A
 1A
 ± 50V.
 Free Voltage contacts
 Relays SPDT
 3A at 30Vdc / 5A at 110Vac

PART NUMBER DESCRIPTION

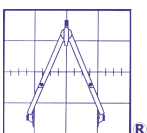
Code	Description
CM-80T4	Open Frame version
CM-80T4-B	Wall mounting metal cabinet IP20 version
CM-80T4-B-IP66	Wall mounting polyester cabinet IP66 version



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