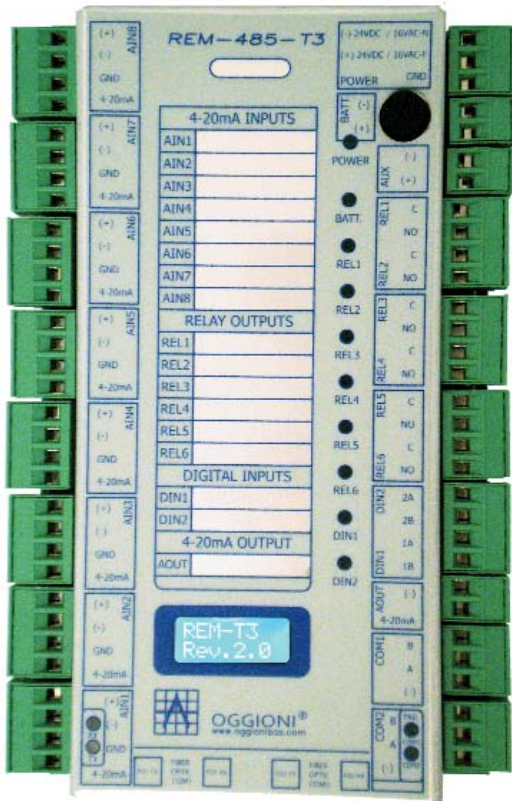


REM-485 Remote I/O Module



GENERAL DESCRIPTION

REM 485 concentrators are a series of data acquisition and control modules, for analog and digital signals ideal for network data acquisition systems and control applications.

All REM-485 series modules are extremely well isolated, noise resistant and communicate on field bus RS-485 (Modbus RTU Protocol), making connections with remote master system EXcetera or any other possible system (PC, PLC or DCS).

REM 485 remote modules have internal stabilized 13.75 Vdc 2.5A Power Supply and output for a 12V, 7.2 A/h back-up battery. A built-in protective circuit controls the battery efficiency, isolating it in case of under or over voltage.

For the use and configuration of REM-485 modules a WINDOWS based HMI / SCADA software package is available.

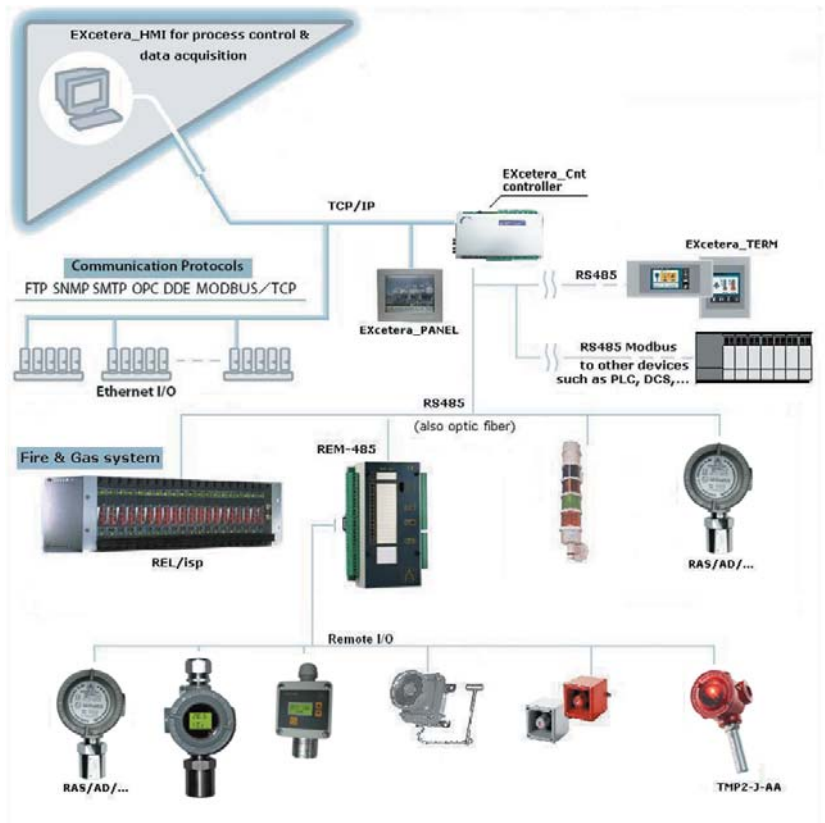
Our company supplies applications for ready-to-go configurations able to obtain real-time supervision, remote control operations, historical trends analysis, as well as the management of the alarm conditions.

Main Characteristic

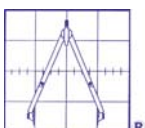
- 8 Analogue Inputs for 4-20mA module.
- 2 Optocoupled Digital inputs
- Redundant RS485 Serial Line Modbus RTU Protocol (Two RS-485 drivers).
- Two Optical Cable Drivers for long distances connections (62.5/125 um 3.5 db/Km).
- Backup battery circuit.
- Backlighted LCD display 2x8 characters for on site main information visualization.
- Front panel with graphic indications.

Applications:

- Network data acquisition systems and control
- Building automation
- Process monitor system
- Security system



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GENERAL SPECIFICATIONS

TTL / CMOS or Contacts Optocoupled interface
 8 x Analogue Inputs 4-20mA
 1 x Analogue Output 4-20mA
 2 x Digital Optocoupled Inputs
 6 x Contact Relays outputs

Serial Line RS-485 Modbus RTU Protocol
 Baud rate: 1200÷115200 Kbps.
 Fiber Optic Driver (Option) 62.5/125um (3,5dB/Km.)

MECHANICAL SPECIFICATIONS

Overall dimensions 190,20 x 115,50 x 34,50 mm
 Mounting rails Din 41612
 Cabling Screw terminals AWG 26...14
 Material Aluminium body
 Protection Range IP30
 Weight 0,4 Kg.

ENVIRONMENTAL SPECIFICATIONS

EMC According to EN61000-4
 Storage temperature -40 to 85 °C
 Operating temperature -20 to 70 °C
 Humidity range 90% R.H. n.c.

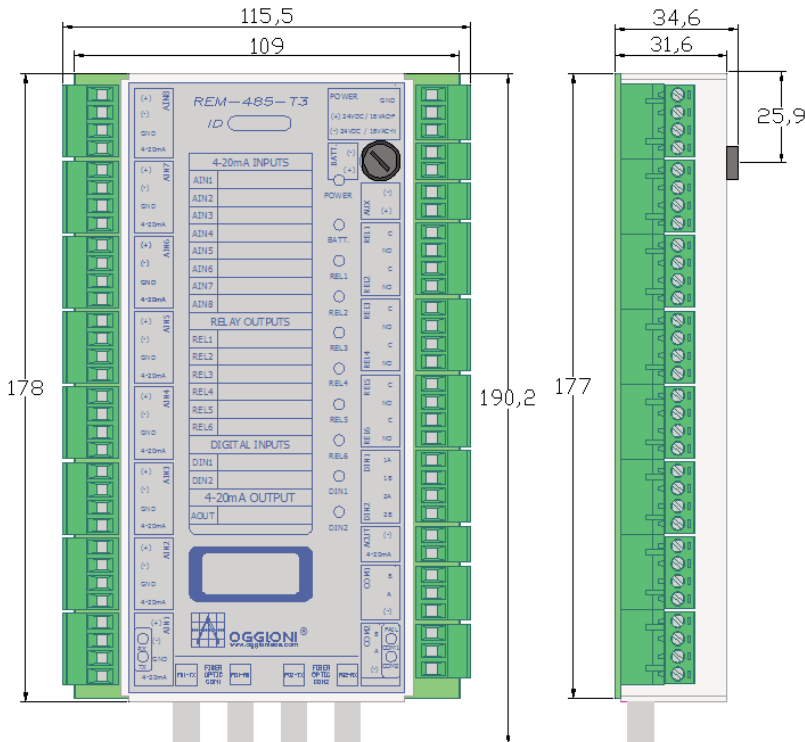
ELECTRICAL SPECIFICATIONS

Supply voltage 26 Vac or 24 Vdc
 Power Consumption Max. 350mA at 26Vac
 Max. 250mA at 24Vdc
 Stabilised power supply output 13.75 2 A
 Supply Fuse 3A
 Auxiliary Power Supply Fuse 1A
 Overvoltage protection ± 50V.
 Output Contacts Free Voltage contacts SPDT
 Contact Rating 3A at 30Vdc / 5A at 110Vac

PART NUMBER DESCRIPTION

Configuration	Description	Code
REM-485-...	Inputs: 8 Analogue + 2 Digital; Outputs: 1 Analogue + 6 Contact Relays	T3
REM-485-...	Inputs: 8 Analogue + 2 Digital; Outputs: 1 Analogue + 6 Contact Relays + Fiber Optic Drivers	T3/O

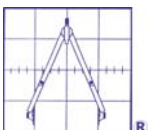
OVERALL DIMENSIONS



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