

MX20***** - MPXPRO Collegamenti elettrici e di rete/MPXPRO Wiring and network connections/Connexions électriques et de réseau/Elektro- und Netzwerkanlüsse CAREL



**LEGGI E CONSERVA QUESTE ISTRUZIONI
READ AND SAVE THESE INSTRUCTIONS**

General description

This technical leaflet describes the MPXPRO family, highlighting the electrical connections for the main board, the options and the accessories. All the components are described in the full-optional versions. Consequently, this represents the maximum possible application of the MPXPRO. Other simpler possibilities depend on the specific product codes and applications.

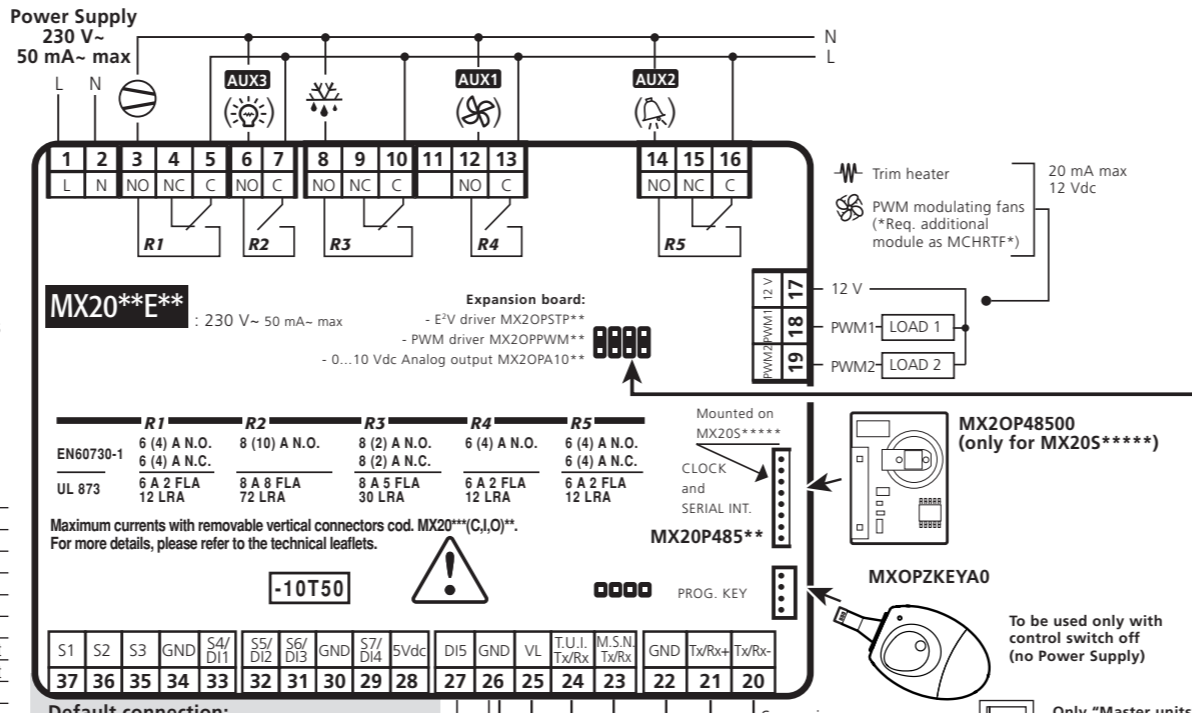
Models:

CAREL CODE	MODEL	RS485 & RTC	RELAY MAP (see the wiring diagram)	PROBES	PWM outputs	EXPANSION BOARD (installed on the main board)
MX20M00EO	Master	✓	R1,R2,R3,R4,R5	NTC	-	-
MX20S00EO	Slave	-	R1,R2,R3,R4,R5	NTC	-	-
MX20S10EO	Slave	-	R1,R3,R5	NTC	-	-
MX20M21EO	Master	✓	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	-
MX20S21EO	Slave	-	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	-
MX20S31EO	Slave	-	R1,R3,R5	NTC/PTC/PT1000	2	-
MX20M25EO	Master	✓	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	CAREL E2V DRIVER +0...10 VDC output
MX20S25EO	Slave	-	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	CAREL E2V DRIVER +0...10 VDC output
MX20M24EO	Master	✓	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	PWM DRIVER +0...10 VDC output
MX20S24EO	Slave	-	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	PWM DRIVER +0...10 VDC output

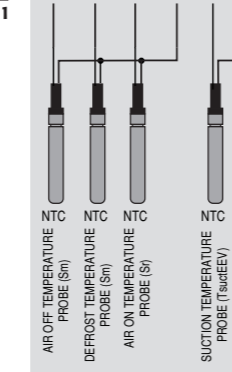
Tab. 1

Warning:

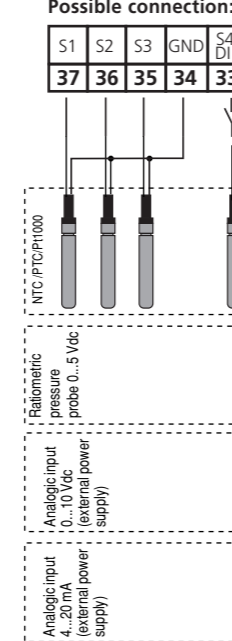
- The board must not be installed on surfaces that exceed 70 °C (50 °C ambient) and 80 °C (60 °C ambient);
- Use with an external disconnect switch positioned near the appliance that is compliant with the IEC60947-1 and IEC60947-3 standards;
- Use cables with a temperature rating of 90 °C, if the temperature of the terminals exceeds 85 °C use a cable with a temperature rating of 105 °C;
- The connection cables must guarantee insulation up to 90 °C and if necessary up to 105 °C, when the temperature of the relay terminals exceeds 85 °C;
- If the appliance is used in a way that is not specified by the manufacturer, the guaranteed protection of the appliance may be compromised;
- If the current is higher than 6 amps in R1, R2, R3, R4, R5, use only cables with a section of 2.5 mm² (14 AVG);
- The board must not be accessible to people without warrant of installing.



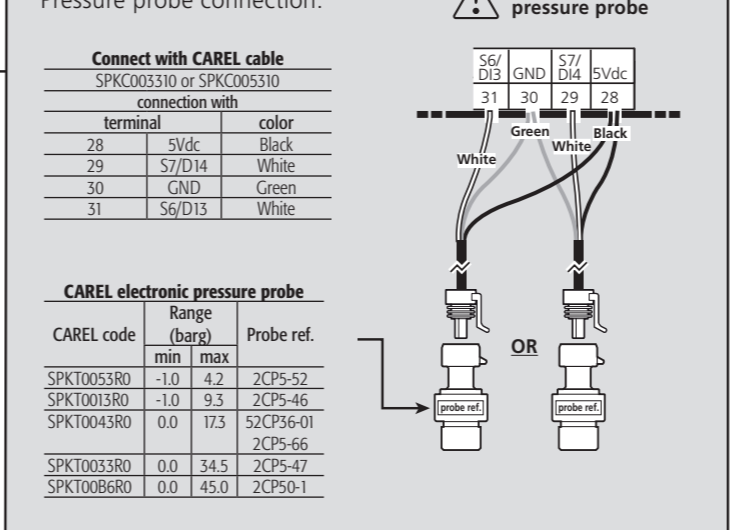
Default connection:



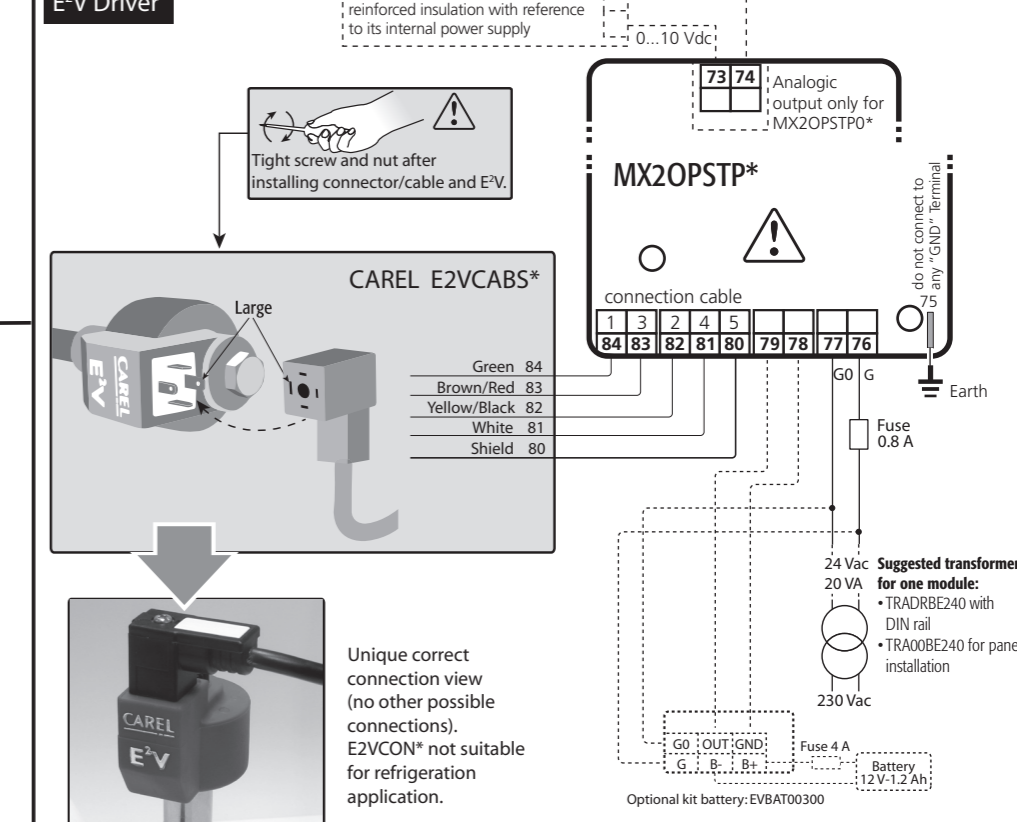
Possible connection:



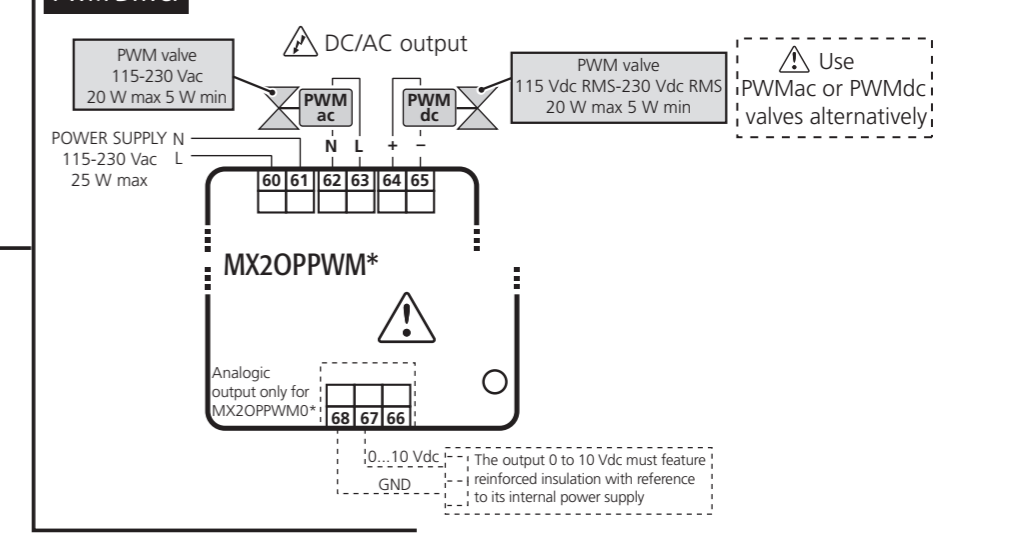
Pressure probe connection:



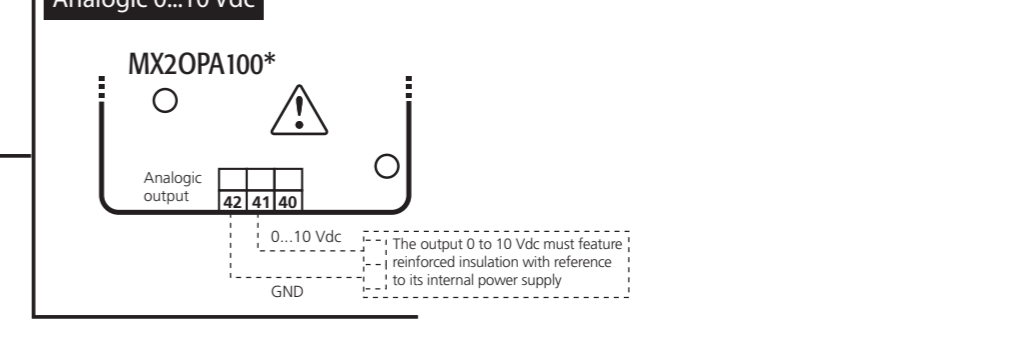
E2V Driver



PWM Driver



Analogic 0...10 Vdc



- I Smaltimento del prodotto**
L'apparecchiatura (o il prodotto) deve essere oggetto di raccolta separata in conformità alle vigenti normative locali in materia di smaltimento.
 - GB Disposal of the product**
The appliance (or the product) must be disposed of separately in compliance with the local standards in force on waste disposal.
 - F Élimination du produit**
L'équipement (ou le produit) doit faire l'objet d'un ramassage particulier en conformité avec les normes en vigueur locales en matière d'élimination des déchets.
 - D Entsorgung des Produktes**
Das Gerät (oder Produkt) muss im Mülltrennungsverfahren in Übereinstimmung mit den örtlichen Entsorgungsnormen entsorgt werden.
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