

G.MILANI S.A.S.

DI TETTONI FABRIZIO & C.

VIA CAVAGLIETTO, 25

28010 - CAVAGLIO D'AGOGNA NO (ITALIA)

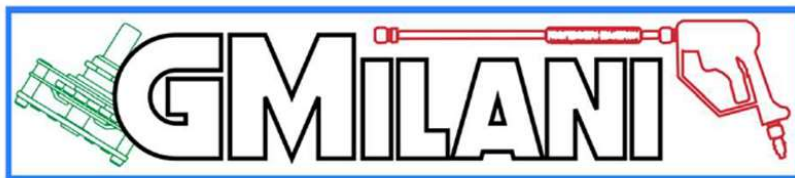
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HOT WATER PRESSURE WASHER EQUIPMENT TLR 4 EEP

Features:

Power supply:

between 90 Vac and 520 Vac – 50/60 Hz (automatic voltage detection)

Supported motor loads:

400 V up to 4 kW – 5 HP

230 V up to 3 kW – 4 HP

Diesel solenoid valve control:

10 A, NO clean contacts with 3-second delayed activation

Control inputs:

low voltage pressure switches

Low voltage input:

for general On-Off control

Electrical connections:

Faston 6.3 mm

Mechanical characteristics:

Dimensions (L x D x H): 85 x 68 x 47 mm, Weight: 300 g

Pump motor output:

internally controlled by 3 relays rated 16 A each

Protection:

Electronic board encapsulated in epoxy resin against dust and humidity



Description:

The new TLR 4 EEP, fully controlled by a microprocessor, ensures stable and precise timing.

It is equipped with a universal power supply system that allows operation with voltages between 90 Vac and 520 Vac – 50/60 Hz, without requiring manual settings. The board automatically detects the input voltage and adapts accordingly.

The voltage used to power the electronics is the same voltage applied to the pump motor output.

The product has been designed for the management and control of pressure washers equipped with a boiler for hot water heating. While maintaining a cost-effective positioning, the TLR 4 EEP integrates advanced functions thanks to microprocessor control.

No error indication LEDs are provided; however, during ordering it is possible to define timing settings and enable or disable controls and functions.

The standard supplied settings are:

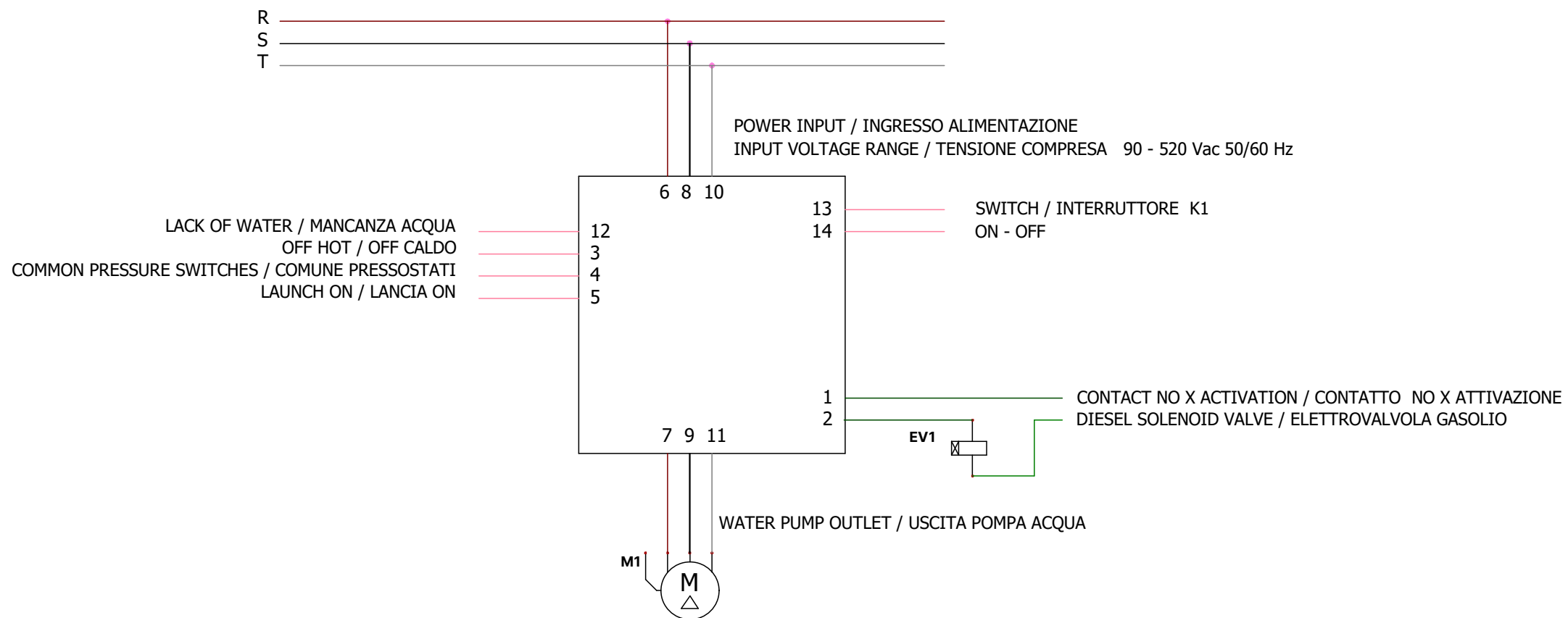
- Total Stop: 13 sec
- Diesel solenoid valve activation delay: 3 sec
- Micro-leakage control: enabled (shutdown after 10 micro-leakages within 12 sec)
- Water shortage control: enabled (total machine shutdown after 12 sec)
- Idle machine shutdown: enabled (1 h)
- Continuous operation shutdown with pump permanently active: disabled

After an alarm is triggered, simply switch off the unit for a few seconds to restore normal operation.

The unit is internally equipped with a relay featuring NO clean contacts for delayed activation of the diesel solenoid valve. A low voltage switch can also be connected to completely shut down the electronic section of the board.

This version maintains the same numbering and wiring layout as the standard model, ensuring full compatibility and easy replacement.

MADE IN ITALY



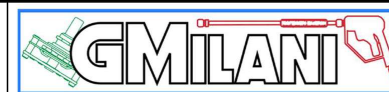
M1 -Water pump outlet / Uscita pompa acqua
EV1 - Diesel solenoid valve / Elettrovalvola Gasolio
K1 - Low Voltage Switch / Interruttore Bassa Tensione
In single phase do not use 10-11 / In monofase non usare 10-11

TLR4EEP

REV. DATE

DESIGNED
G.Milani

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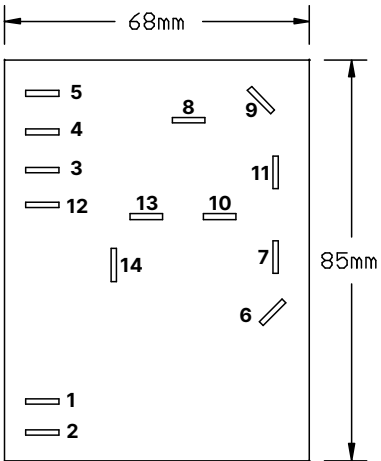
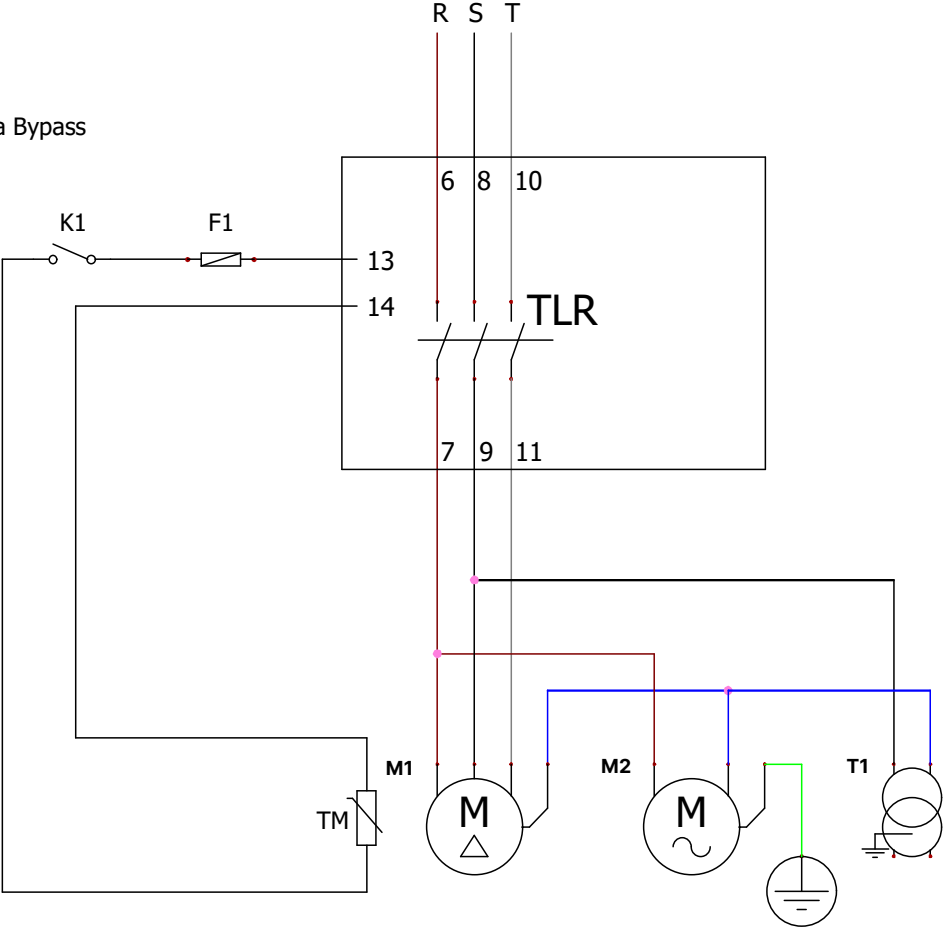


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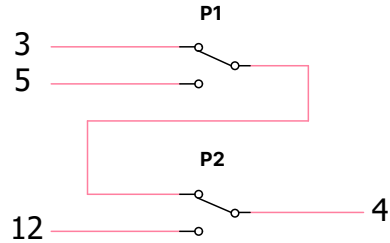
CONTRACT:

- T1 - Spark high voltage transformer / Trasformatore alta tensione scintilla
- M1 - Motor Pump / Motore Pompa
- M2 - Smoke fan motor / Motore ventola fumi
- F1 - Fuse / Fusibile
- K1 - Low Voltage Switch / Interruttore Bassa Tensione
- TM - motor safety thermal switch / Interruttore termica sicurezza motore
- P1 - Pressure switch generally mounted on the pump / Pressostato generalmente monatato su Pompa
- P2 - Pressure switch generally mounted on Bypass Valve / Pressostato generalmente montato su Valvola Bypass

Example of Fan Motor and Spark Transformer connection
Esempio collegamento Motore Ventola e Trasformatore Scintilla



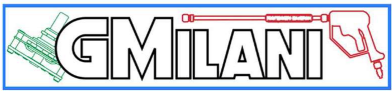
Example of pressure switch connection
Esempio collegamento pressostati



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