

**G.MILANI S.A.S.**

**DI TETTONI FABRIZIO & C.**

VIA CAVAGLIETTO, 25

28010 - CAVAGLIO D'AGOGNA NO (ITALIA)

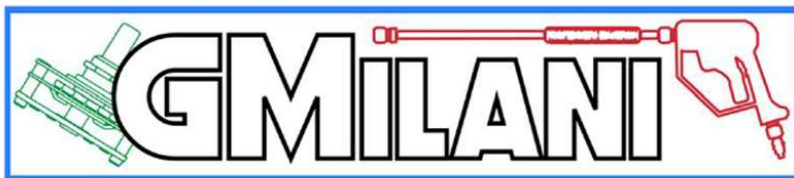
P.IVA: 02626650036

SDI: W7YVJK9

MAIL: INFO@GMILANI.IT

PEC: G.MILANISAS@PEC.IT

TEL: +39.0322.80.68.20



## EQUIPMENT FOR HOT WATER PRESSURE CLEANERS TLR 2

Caratteristiche:

**Power supply:**

Three-phase 400 Vac 50/60 Hz

**Supported motor loads:**

up to 4 kW – 5 HP

**Control inputs:**

Low voltage pressure switches

**Electrical connections:**

Faston 6.3 mm

**Mechanical characteristics:**

Dimensions (L × D × H): 85 × 68 × 47 mm, Weight: 440 g

**Pump motor outputs:**

internally controlled by 2 relays rated 16 A each

**Power input: necessary for board operation;** can also be used to switch off the unit via main switch, emergency stop, thermal probe, etc.

**Protection:**

Electronic board encapsulated in epoxy resin against dust and humidity

**Internal relay:**

NO clean contacts for 3-second delayed activation of the diesel solenoid valve



**Description:**

The product has been designed for the management and control of three-phase 400 Vac 50/60 Hz pressure washers equipped with a boiler for water heating.

The TLR 2 has been designed as a cost-effective device capable of directly controlling the start-up of a three-phase pump motor by interrupting two phases, or alternatively controlling an external contactor.

The main function, called TOTALSTOP, controls the switching off and on of the pump motor with a standard timing of 8 seconds.

The unit is equipped with an internal relay featuring NO clean contacts, generally used for the delayed activation (3 seconds) of the diesel solenoid valve.

The power input must be connected to provide voltage to the board. If required, it can be wired in series with a main switch, emergency stop button, motor thermal probe, etc., to allow complete shutdown of the unit.



MADE IN ITALY

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POWER INPUT / INGRESSO ALIMENTAZIONE

COMMON PRESSURE SWITCHES / COMUNE PRESSOSTATI  
LAUNCH ON / LANCIA ON

WATER PUMP OUTLET / USCITA POMPA ACQUA

CONTACT NO X ACTIVATION / CONTATTO NO X ATTIVAZIONE  
DIESEL SOLENOID VALVE / ELETTROVALVOLA GASOLIO

M1 -Water pump outlet / Uscita pompa acqua  
EV1 - Diesel solenoid valve / Elettrovalvola Gasolio

TLR2

REV. DATE

DESIGNED  
G.Milani

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mail: **INFO@GMILANI.IT**  
tel: **+39.0322.80.68.20**

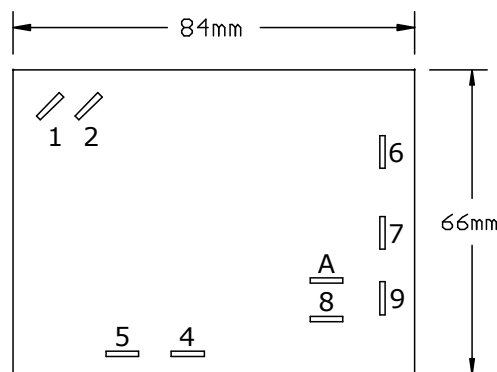


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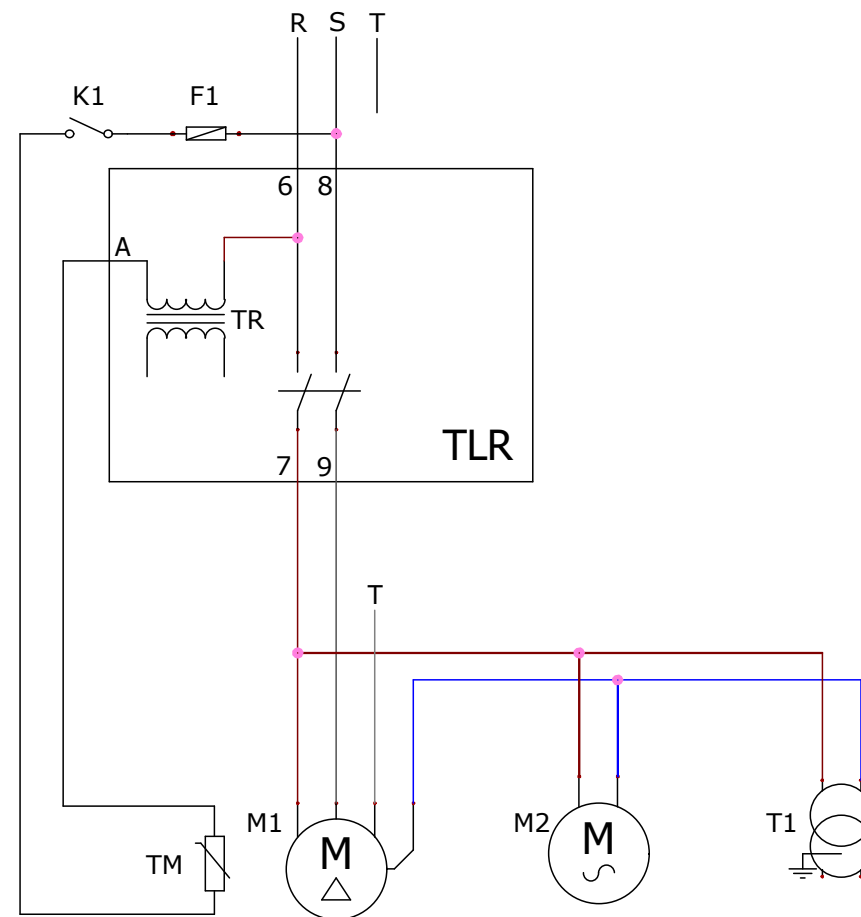
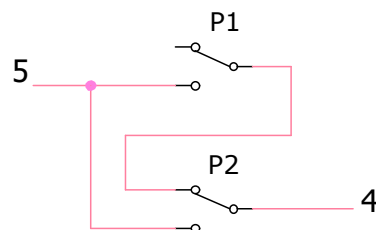
CONTRACT:

T1 - Spark high voltage transformer / Trasformatore alta tensione scintilla  
 M1 - Motor Pump / Motore Pompa  
 M2 - Smoke fan motor / Motore ventola fumi  
 P1 - Pressure switch generally mounted on the pump / Pressostato generalmente monatoato su Pompa  
 P2 - Pressure switch generally mounted on Bypass Valve / Pressostato generalmente montato su Valvola Bypass  
 TR- Internal TLR power supply / Alimentazione interna TLR  
 F1 - Fuse / Fusibile  
 K1 - Main switch / Interruttore generale  
 TM - motor safety thermal switch / Interruttore termica sicurezza motore

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



Example of pressure switch connection  
 Esempio collegamento pressostati

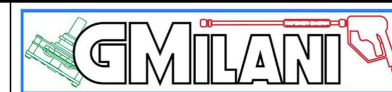


TLR2

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