

G.MILANI S.A.S.

DI TETTONI FABRIZIO & C.

VIA CAVAGLIETTO, 25

28010 - CAVAGLIO D'AGOGNA NO (ITALIA)

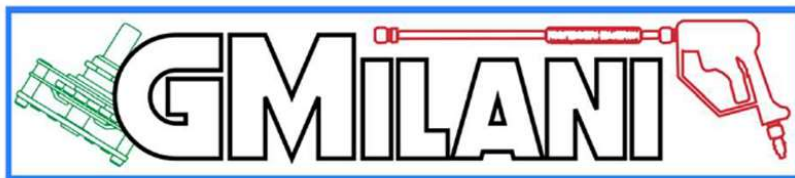
P.IVA: 02626650036

SDI: W7YVJK9

MAIL: INFO@GMILANI.IT

PEC: G.MILANISAS@PEC.IT

TEL: +39.0322.80.68.20



EQUIPMENT FOR COLD WATER PRESSURE WASHERS TLR 11 AF

Features:

Power supply:

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

Supported motor loads:

400 V up to 7,5 kW – 10 HP

230 V up to 5,5 kW – 7,5 HP

Control inputs:

low voltage pressure switches

Electrical connections:

Faston 6,3 mm

Mechanical characteristics:

Dimensions (L x D x H): 110 x 55 x 48 mm, Weight: 360 g

Pump motor output:

internally controlled by 3 relays rated 40 A each

Protection:

Electronic board encapsulated in epoxy resin against dust and humidity



Description:

The new product has been specifically designed for the management and control of cold water pressure washers, developed to replace and standardize the FLW models into a single device.

A new universal power supply system has been integrated, allowing the board to operate with voltages between 90 and 520 Vac 50/60 Hz without manual settings. The board automatically detects the applied input voltage and adapts its operation accordingly.

The input voltage used for electronic control is the same as the one supplying the pump.

The TLR AF is equipped with a dedicated input, optionally used to completely shut down the unit by wiring in series devices such as a main switch, emergency stop mushroom button, motor thermal probe, or other safety devices.

The board operates as a pump motor timer, with a standard timing set to 7 seconds (other timings available upon request).

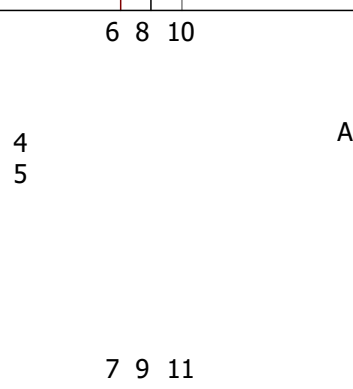
Unlike other models in the TLR family, the AF version does not include the initial TOTAL STOP function for system pressurization at power-up: the pump is activated only upon actual closure of the pressure switch inputs.

MADE IN ITALY

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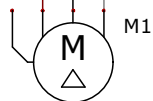
POWER INPUT / INGRESSO ALIMENTAZIONE
INPUT VOLTAGE RANGE / TENSIONE COMPRESA 90 - 520 Vac 50/60 Hz

COMMON PRESSURE SWITCHES / COMUNE PRESSOSTATI
LAUNCH ON / LANCIA ON



EQUIPMENT POWER INPUT / INGRESSO ALIMENTAZIONE APPARECCHIATURA
IF NOT USED JOIN WITH 8 / SE NON USATO UNIRE CON 8

WATER PUMP OUTLET / USCITA POMPA ACQUA



M1 -Water pump outlet / Uscita pompa acqua

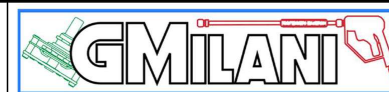
In single phase do not use 10-11 / In monofase non usare 10-11

TLR11 AF

REV. DATE

DESIGNED
G.Milani

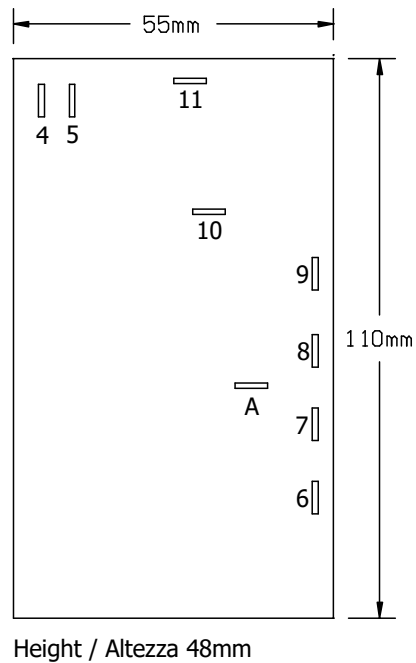
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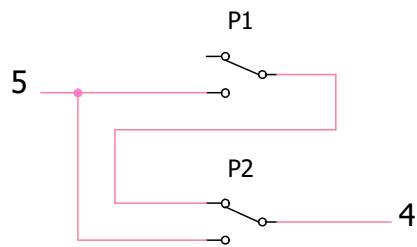
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CONTRACT:

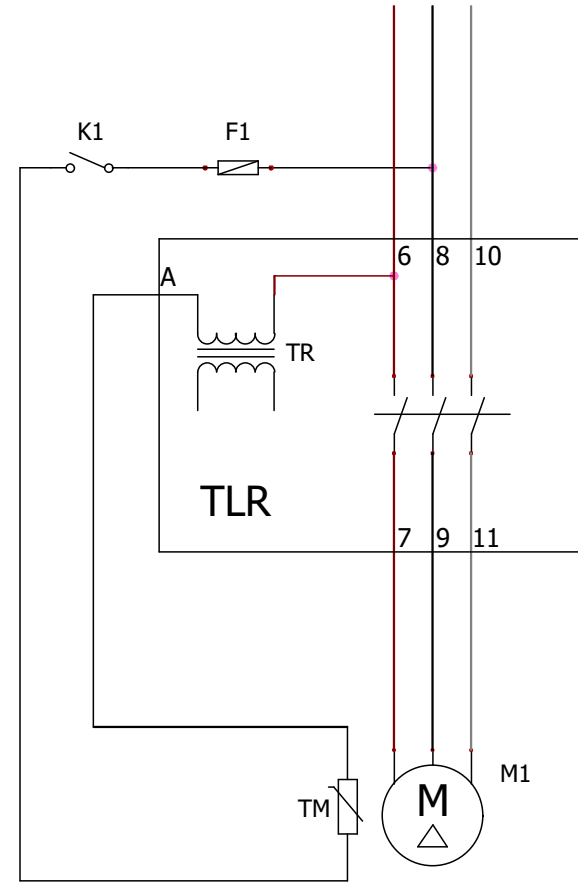
P1 - Pressure switch generally mounted on the pump / Pressostato generalmente monatato su Pompa
P2 - Pressure switch generally mounted on Bypass Valve / Pressostato generalmente montato su Valvola Bypass



Example of pressure switch connection
Esempio collegamento pressostati



Example of connection with main switch, fuse and motor thermal switch
Esempio di collegamento con interruttore generale, fusibile e termica motore

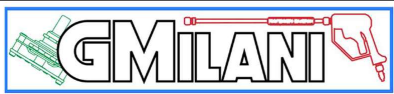


M1 - Motor pump / Motore pompa
TR- Internal TLR power supply / Alimentazione interna TLR
F1 - Fuse / Fusibile
K1 - Main switch / Interruttore generale
TM - motor safety thermal switch / Interruttore termica sicurezza motore

TLR11 AF

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