ADVANCED SERIES

TLR 11 AF

CONTROL UNIT FOR COLD-WATER PRESSURE WASHERS

Universal 90–520 Vac supply and start only when the pressure switches close: the standard that replaces and unifies the FLW models.

❄ Cold water | 90–520 Vac | Made in Italy



POWER SUPPLY	PUMP 400 V	PUMP 230 V	DIMENSIONS
90–520 Vac	**7.5** kW · 10 HP	**5.5** kW · 7.5 HP	**110×55×48** mm

TECHNICAL DATA

Power supply	90–520 Vac, 50/60 Hz, automatic detection (electronics and pump)
Pump motor	400 V up to 7.5 kW / 10 HP · 230 V up to 5.5 kW / 7.5 HP
Pump output	3 separate relays
Inputs	Low-voltage pressure switches · shutdown input (A)
Timing	7 s standard (other timings on request)
Connections	6.3 mm Faston
Dimensions (L×W×H)	110 × 55 × 48 mm
Weight	360 g
Protection	Electronics encapsulated in epoxy resin

MAIN FUNCTIONS

- Universal power supply with no configuration
- Pump activated only with closed pressure switches (no initial TotalStop)
- Direct input for main switch, emergency stop or motor thermal
- Replaces and standardizes the FLW models

DESCRIPTION

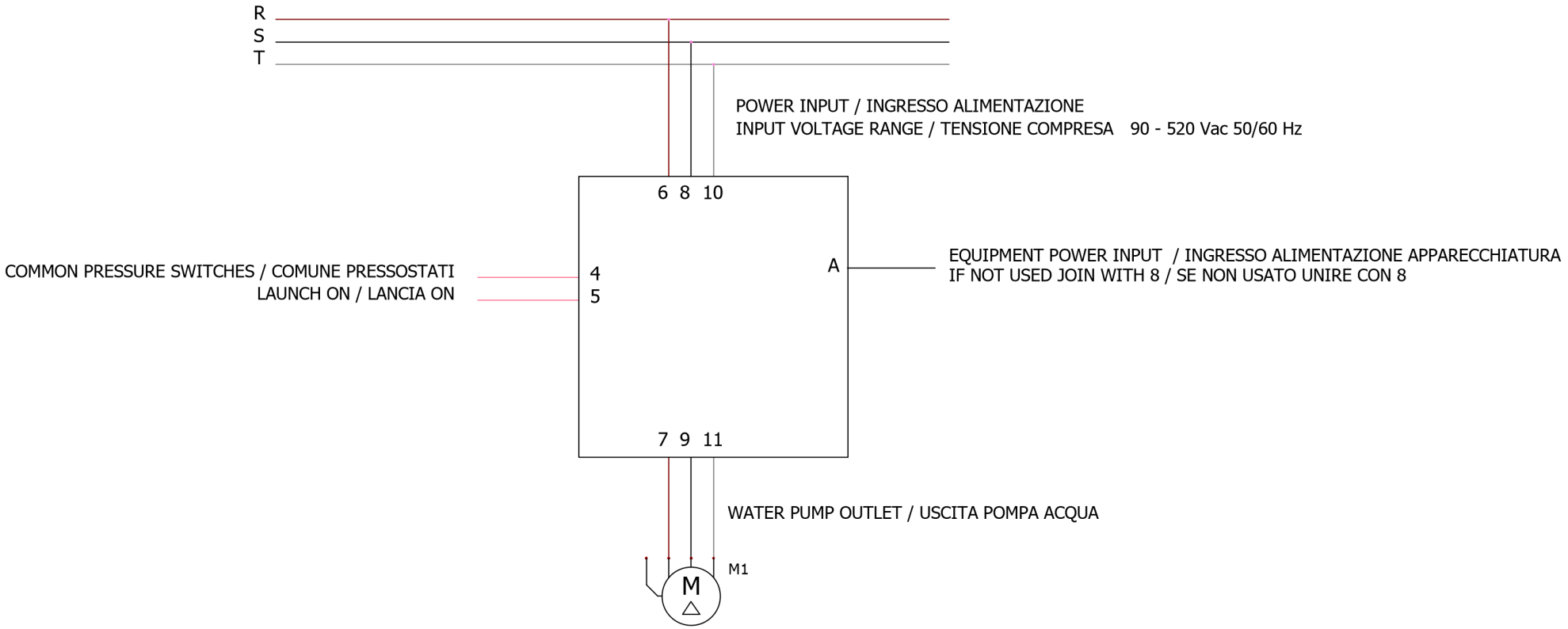
TLR 11 AF is dedicated to cold-water pressure washers and replaces the FLW models. It automatically detects any voltage between 90 and 520 Vac: the same supply feeds both the electronics and the pump.

It works as a pump-motor timer (7 s standard). Unlike other TLR models it **does not perform the initial TotalStop cycle**: the pump starts only when the pressure switches actually close. The shutdown input allows a main switch, emergency stop or motor thermal probe to be wired in series.

PRESSURE WASHER ELECTRONICS

DESIGNED AND MADE IN ITALY

TLR 11 AF · Wiring diagram



M1 -Water pump outlet / Uscita pompa acqua

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

Bilingual EN / IT legends as per manufacturer's diagram · Drawings not to scale

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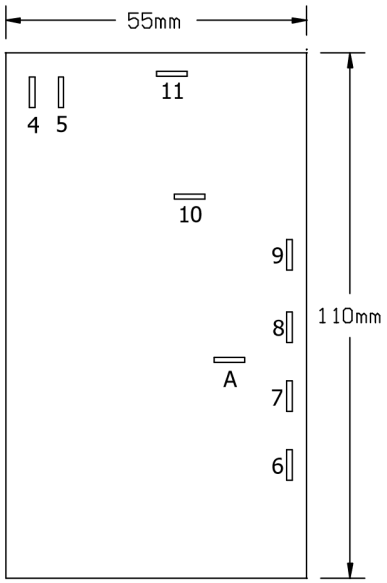
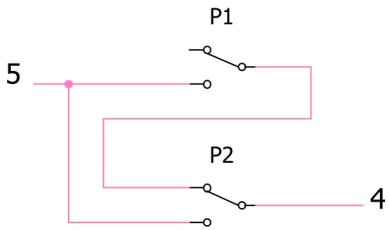
TLR 11 AF · Dimensions, pressure switches and connection with main switch and thermal cut-out

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

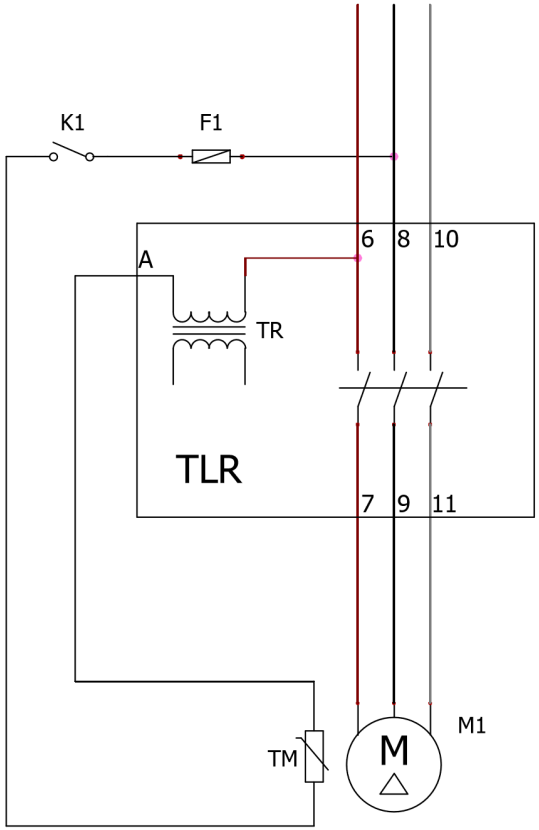


Height / Altezza 48mm

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

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