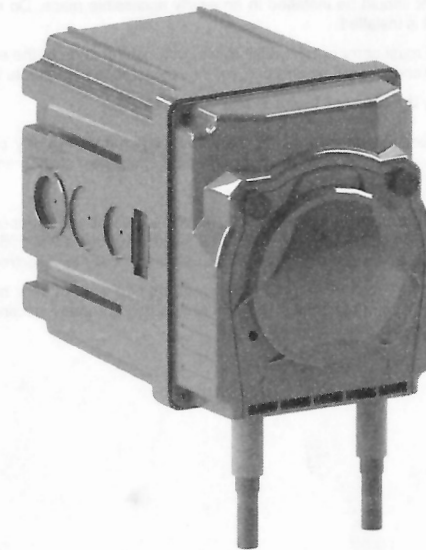


Installation and maintenance

TM LAV

Temporized dosing device



dosiper
Sistemas de dosificación Dosing systems

ENG



WARNING

This manual contains important information about the installation and the operation of the instrument. These instructions must be followed at all times in order to prevent damage to persons and property.

GENERAL SECURITY INFORMATION

DANGER

In case of aggressive chemical products manipulation, it is needed to follow the regulation and Terms of Use strictly, as well as the recommendations of the manufacturer.

If the equipment is installed outside European Community, please follow the local regulation and Terms of Security.

The manufacturer cannot be held responsible for any damage to persons or property in case of a wrong installation or use of the equipment.

WARNING

The equipment should be installed in an easily accessible place. Do not block the place where the equipment is installed.

Qualified staff must carry out the assistance and maintenance of the equipment. Clean the pipe lines by which chemicals flow and use security systems to manipulate it.

Read carefully the chemical features of the product.

CAUTION

Follow the recommendations of the manufacturer for handling any chemical product: glasses with flexible support, chemical coat, chemical goggles, etc. Direct contact with chemical products must be avoided at all times.



The agitation control system model "TMLAV" complies with the European regulations: EV60335-1: 1995, EV55014, EV50081-1/2, EN50082-1/2, EN6055-2, EN60555-3, Directive CEE73/23 c 93/68 (Low Voltage Directive) and 89/663/EEC directive (EMC, Electromagnetic Compatibility)

The information in this document is subject to change without prior notice, so it should not be interpreted as a commitment by the company. The company declines responsibility for how many errors may appear in this document.

The pump works as long as it's connected to the power supply.

- TMLAV-T1C

Without signal, 1 potentiometer to adjust pump speed (right) and other to adjust pump time (left).

The pump starts when powered and works during the time selected on the potentiometer.

Then it remains stopped until it's powered off and powered on again.

Fixed maximum dosage time (configurable upon request).

- TMLAV-T1S

With signal, 1 potentiometer to adjust pump speed (right) and other to adjust pump time (left).

The pump is initially idle. When it receives signal (2sec fixed time) the pump starts to dose during the selected time on the potentiometer. It's possible to establish a configuration time during which the pump will ignore the signals received. When this time elapses, the pump will accept signals again and can work normally.

Fixed maximum dosage time (configurable upon request).

Fixed pump idle time (configurable upon request. It can be '0')

- TMLAV-T1MP

With signal, 1 potentiometer to adjust pump speed (right) and other to adjust pump time (left).

The pump is continuously performing start-stop cycles while it's powered on.

The time potentiometer is used to configure the working time of the cycle. The rest of the cycle the pump will remain idle.

Fixed cycle time (configurable upon request).

- TMLAV-T2MP

Without signal, without pump speed regulation. 2 potentiometers: 1 for the dosage time (left), 1 for the idle time (right).

The pump is continuously performing start-stop cycles while it's powered on. Both cycle times (working and idle) are controlled using the 2 potentiometers.

Fixed working and idle times (configurable upon request. They can be different from each other).

Contents

1. Introduction	2
1.1. Technical specifications	2
1.2. Electrical scheme	2
2. Installation	3
2.1. Installation instructions	3
3. Models	3
3.1. Available models	3

1. Introduction

The device TMLAV is an electronic system designed to dose chemical products with universal power supply.

The device has a peristaltic dosing pump up to 120 l/h. which is controlled by two potentiometers. Depending on the model it will be possible to adjust the functioning time and the flow rate.

The device has an input signal; depending on the model this input signal can be used to manage the operational cycle. Models which do not have an input signal repeat the same start and stop cycle again and again.

It's also possible to connect an input alarm to stop the current dosage process. At the same time, you can connect a buzzer.

1.1. Technical specifications

Power supply: 100- 250 Vac - 50/60Hz.

Consumption: 45W

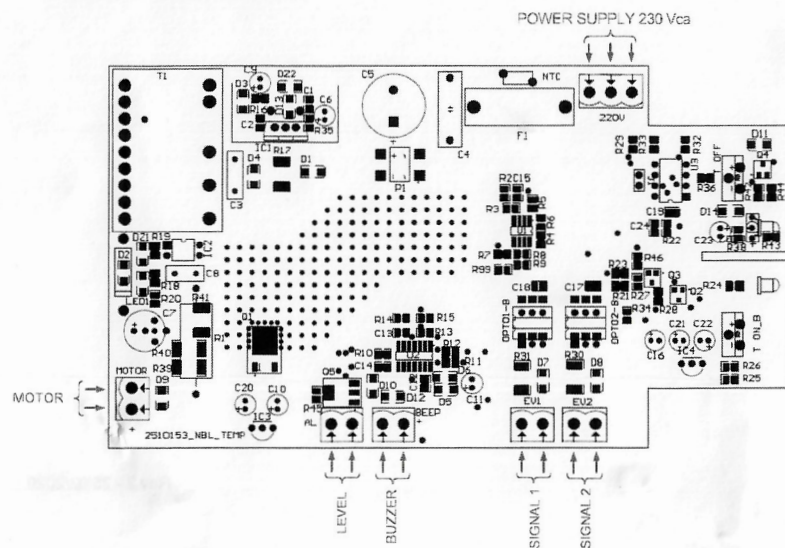
International Protection Rate: IP 65

Main Fuse: 2A – 250V

Input signal: 24-230Vac or Vdc.

Alarm input: voltage free contact. Normally open (N.O).

1.2 Electrical scheme



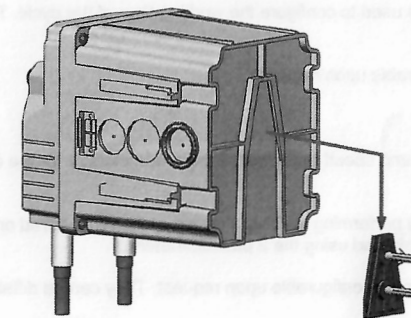
2. Installation

2.1. Installation instructions

For a proper installation please follow the instructions below:

1. The equipment must be installed in a safe and accessible place.
2. It should be firmly fixed in order to keep it from moving.
3. The maximum suction height is 1.5m.
4. Suction and injection tubes must be placed in order to avoid curves that could block the flow of the products.
5. Tubes connections must be perfectly connected to the corresponding fittings.
6. Tubes must be compatible with the chemical product to be used.
7. It is important to verify the grounding connection.
8. If the grounding connection is not enough, it is needed to install a differential switch with a minimum sensitivity of 0.03A.
9. C The voltage of the power supply must be within the limits of the equipment: 100-250Vac.

The equipment is supplied with a bracket mounting. Use wall plugs and screws of the installation kit to attach the bracket mounting to the wall.



3. Models

3.1. Available models

- TMLAV-C1R

Without signal and just 1 potentiometer to adjust pump speed.