

User manual

# ECODOT SYSTEM



**dosiper**  
Sistemas de dosificación | Dosing systems

ENG

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# 1. Functioning

The general functioning of the equipment is as follows:

When any of the signals arrives to the inputs S1, S2, S3 or S4, the corresponding pump starts working during the time of the signal.

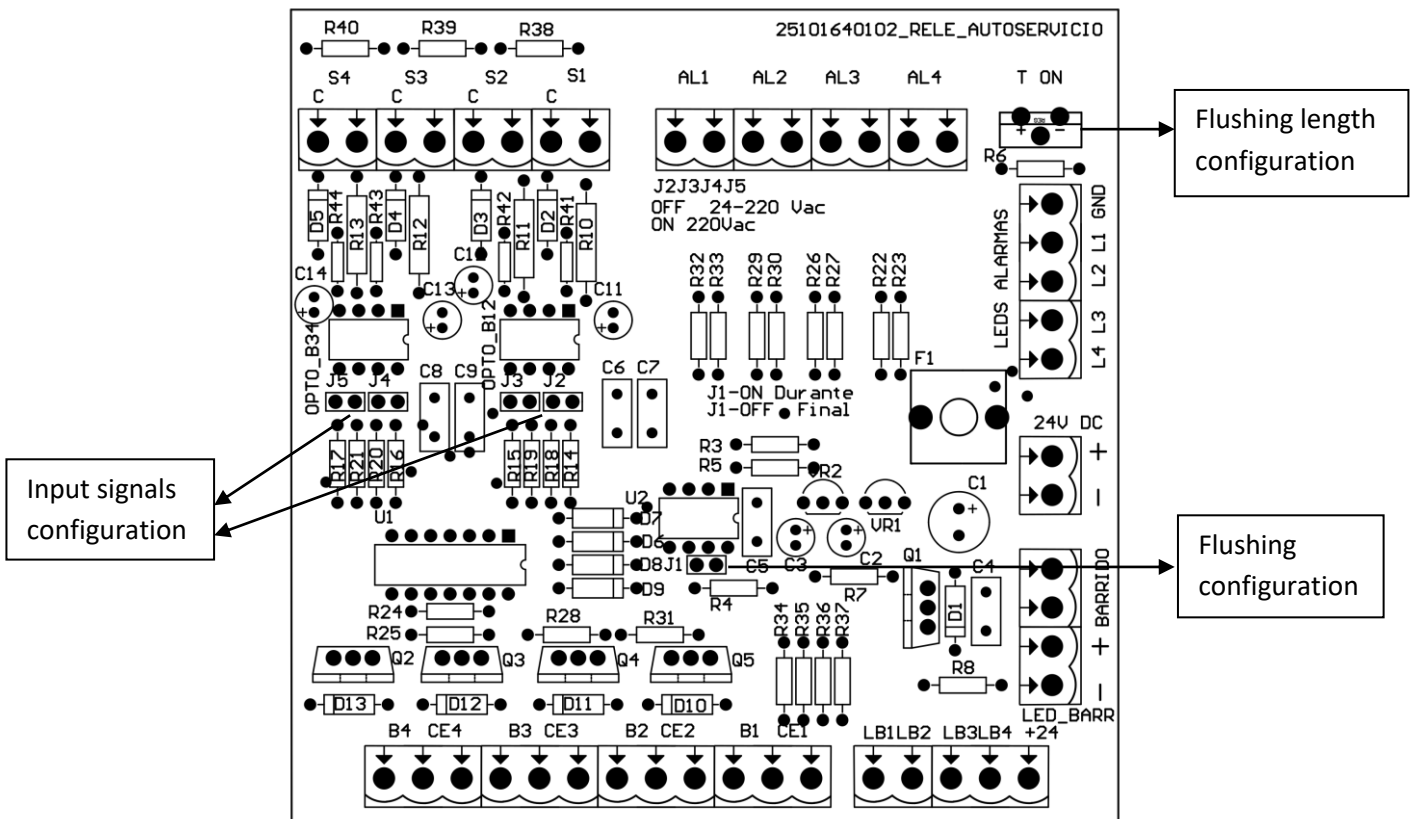
When the signal is no longer active, the flush solenoid valve is opened during the time selected on the potentiometer. This time is configured to 30 seconds by default. It's possible to configure a different time upon request.

Devices with alarm input are only manufactured upon request.

Alarm inputs admits a potential free contact normally open, like the reed of the level lances that is closed when there is no product.

When the contact of the alarm input is closed, the corresponding pump will be stopped to avoid the loss of prime. The alarm LED will light up to indicate this state.

The solenoid valve and pump engines work at 24Vdc.



## 2. Configuration

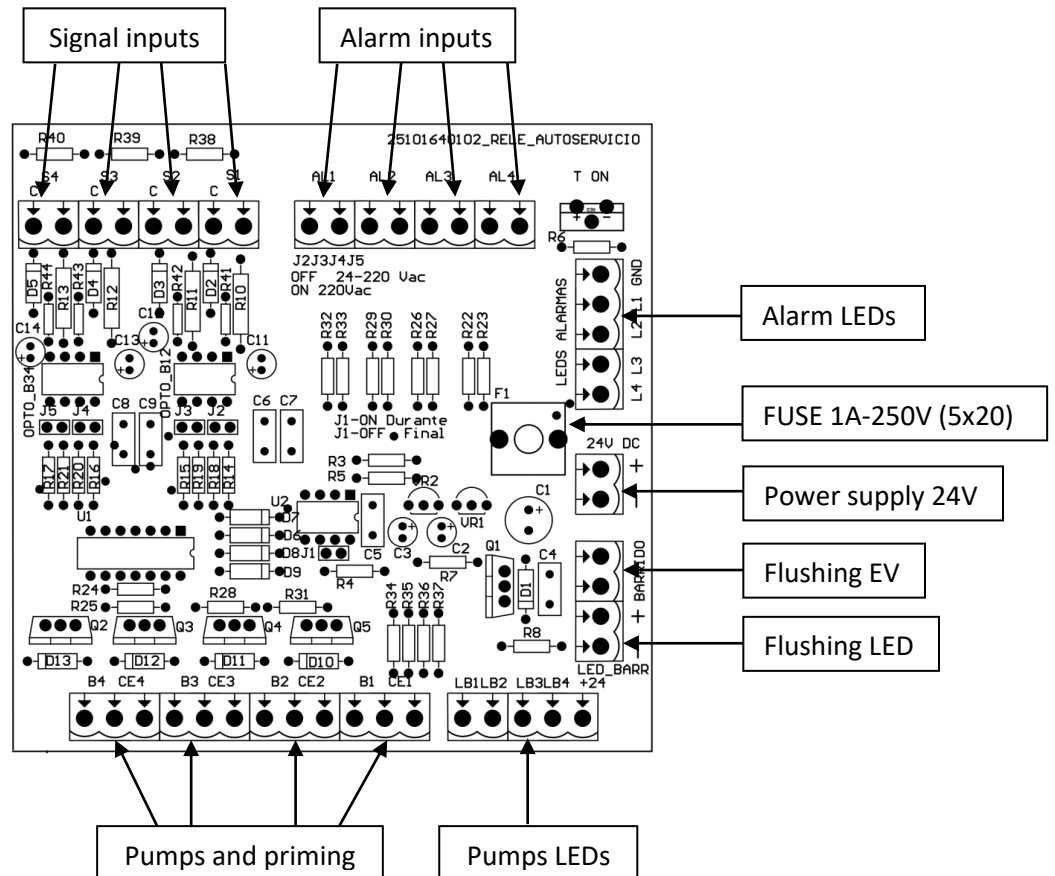
The circuit has several configuration options.

- The flush length is set on the potentiometer marked as T\_ON.
- Inputs signals accepted between 24 and 220 Vac: jumpers J2 J3 J4 and J5 removed.
- Inputs signals accepted only at 220 Vac: jumpers J2 J3 J4 and J5 placed.
- Flush activated when the signal is deactivated: J1 placed. Default and recommended working mode.
- Flush activated during the signal activation: J1 removed. This configuration is not recommended because the pump could dose under pressure and it could shorten very significantly the lifetime of the peristaltic tube of the pumps.

## 3. Connections

The inputs signals are connected to the S1, S2, S3 and S4 connections. The common connection is marked with a C.

If the signals do not have a common, the resistances R38, R39, R40 have to be cut.



Input signals are connected as shown below:

- WHITE: common
- BROWN: phase S1
- GREY: phase S2
- BLACK: phase S3