Manual · Automatic dosers

Quick start-up of the AQUADOS automatic volume batcher. Connection, starting a cycle, setting the volume to be batched, the early stop volume and the meter K factor.

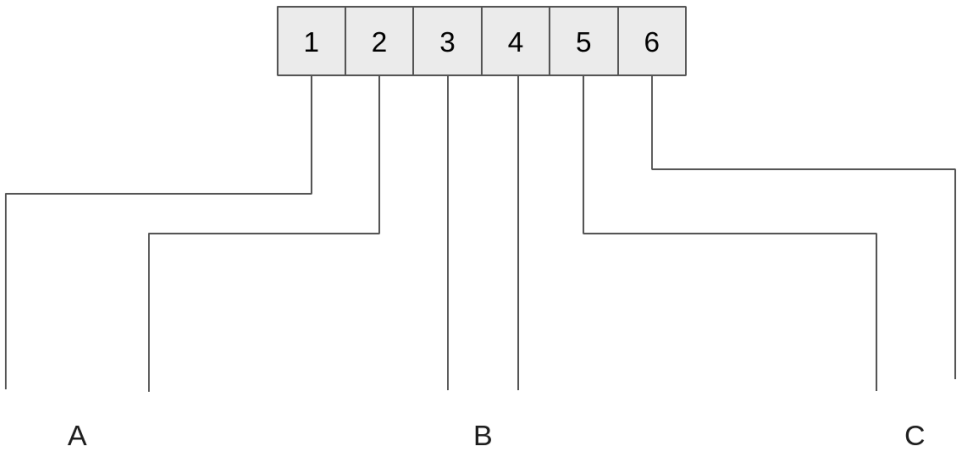


Technical data

Power supply	24 Vac (terminals 1 and 2)
Pulse water meter	Terminals 3 and 4
Solenoid valve	24 Vac (terminals 5 and 6)

Electrical connection

- 24 Vac power supply: terminals 1 and 2.
- Pulse water meter: terminals 3 and 4.
- 24 Vac solenoid valve: terminals 5 and 6.



Connection terminal block

A. 24 Vac power supply (terminals 1 and 2) B. Pulse water meter (terminals 3 and 4) C. 24 Vac solenoid valve (terminals 5 and 6)

Overview

1. Screen and configuration keys
2. **ON - OFF** main switch
3. **EN MARCHE** (running) indicator light
4. **PAUSE** button: pauses batching at any time
5. **START RESET** button: restarts a cycle from the beginning

First cycle

Example: filling a 100 L cistern. The **PAUSE** button is not pressed in.

1. Switch on the batcher with the **ON - OFF** button. The **EN MARCHE** light stays off.
2. After the start-up display, the screen shows the volume to be batched, here 100 L.
3. Press in the **PAUSE** button. The **EN MARCHE** light comes on, the valve opens and the counter counts down the litres.
4. When the counter reaches zero, the **EN MARCHE** light goes out and the valve closes.
5. The display remains at zero.

New cycle

The previous cycle is finished, the display is at zero and the **PAUSE** button is pressed in.

1. Press the **START RESET** button. Caution: batching starts immediately.
2. The **EN MARCHE** light comes on, the valve opens and the counter counts down the litres.
3. When the counter reaches zero, the **EN MARCHE** light goes out and the valve closes.
4. The display remains at zero.

Setting the volume to be batched

This setting is made with the keys below the screen. The batcher must be at zero or paused.

1. Press the ⋀ key. The screen shows oFFSEt and the volume already programmed.
2. Press **ENTER**. The screen shows the volume, with the first digit flashing.
3. Set the required volume, for example 500 L: the ⋀ and ⋁ keys increase or decrease the flashing digit, the **ENTER** key moves to the next digit.
4. Hold **ENTER** down for 3 seconds. The screen shows SEt.P.
5. Press **ENTER** once to confirm. The screen shows the new volume to be batched.

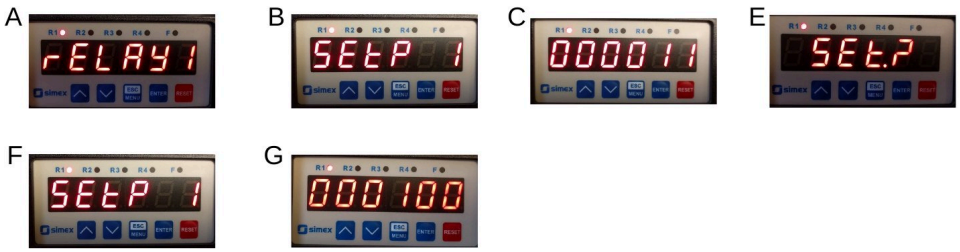
Setting the early stop volume

Depending on the closing time of the hydraulic valve and the flow rate of the hydrant, a volume of water can still pass while the valve is closing. The early stop volume closes the valve before the end of the count to compensate for this overrun.

First measure the excess volume:

1. Install the meter and the valve on site.
2. Carry out a test filling. The valve closes when the counter reaches zero.
3. The excess volume continues to be counted down, for example a final display of -11 L.

Then set the early stop volume, starting from the basic display, with the batcher paused:



Displays corresponding to steps A to G

- **A.** Hold **ESC MENU** down for 3 seconds. The screen shows rELAY 1.
- **B.** Press **ENTER** once. The screen shows SEtP 1.
- **C.** Press **ENTER** once. The screen shows the early stop volume.
- **D.** Set the required value, here 11 L, with the ⋀, ⋁ and **ENTER** keys.
- **E.** Hold **ENTER** down for 3 seconds. The screen shows SEt.P.
- **F.** Press **ENTER** once to confirm. The screen shows SEtP 1.
- **G.** Press **ESC MENU** twice to return to the basic display.

Setting the K factor

The K factor is the number of litres per pulse of the water meter. This setting is made with the keys below the screen.

1. Hold **ESC MENU** down for 3 seconds. The screen shows rELAY 1.
2. Use the ⋁ key to go to the PrESCA menu, then confirm with **ENTER**.
3. The muL menu is displayed. Confirm with **ENTER**.
4. Enter the pulse value of the meter: **ENTER** moves from one digit to the next, ⋀ and ⋁ change the digit.
5. Hold **ENTER** down for 3 seconds. The screen shows SEt.P.
6. Press **ENTER** once more to confirm and save.



K factor set to 10 L per pulse

In this example, the AQUADOS counts down 10 L for each pulse of the meter.

Related documents : D05-AQUADOS-FT-001

Product codes : AQUADOS-24