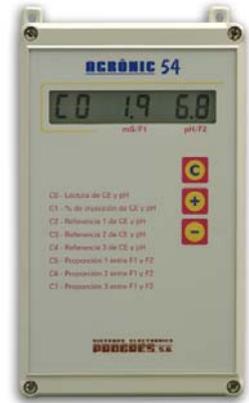


AGRÓNIC 54



Unit that regulates the electrical conductivity (EC) of the irrigation water, through the injection of 2 possible fertilizers, as well as the pH of the same, through acid or base injection.

There are 3 formulas or programs that are started by external orders received through the corresponding inputs, so the unit itself does not control the irrigation sectors.

There are 2 versions, according to how the dosage has to be applied: one with “pulsed injection” that works through solenoids and the other with “analog injection” that works through frequency shifters.

In the “pulsed injection” version, to maintain the EC, the unit applies every certain seconds a dose of every fertilizer, which is related to the desired proportion between fertilizers and the programmed reference. To maintain the pH the unit works in a similar way.

In the “analog injection” version, to maintain the EC and/or the pH, the unit changes the injection speed of the engines until it gets the programmed references.

In the pulsed injection version, there are outputs for two fertilizers and one acid or base.

In the analog injection version (0-10 Vdc), there is an output for one fertilizer and another for the acid or base.

In both versions there is, furthermore, a general output and another for an alarm and/or agitator.

The power supply to the unit is 24 Vac. Optionally, 12 Vdc.

24 Vac outputs in the version with pulsed injection, and 0-10 Vdc in the version with analog injection.

There are 3 inputs for starting the fertilization programs, and one input for detecting malfunctions.

There is also 1 input for the conductivity sensor and 1 for the pH sensor, with the transmitter integrated in the unit circuitry.

Sensors calibration is carried out from the keyboard.

Possibility of programming three different crops. Each one of the three programs is given the EC reference, the pH reference and the proportion between the two fertilizers to be applied (in the pulsed injection version).

Independent alarms for EC and pH. The highest and lowest values and the delay in the detection of the irregularity can be configured.

Start times and programmable stopping for the pre-agitation, the agitation and the alarm.

Configurable lag for the detection of the start up and malfunction inputs.

Easy use and programming by means of three keys and the liquid crystal display with 13 mm characters.

The unit is housed in a waterproof polycarbonate box.

Agrónic 54 is compliant with all the norms defined by the CE.

The products created by Progres enjoy a 2 year warranty against all manufacturing defects.