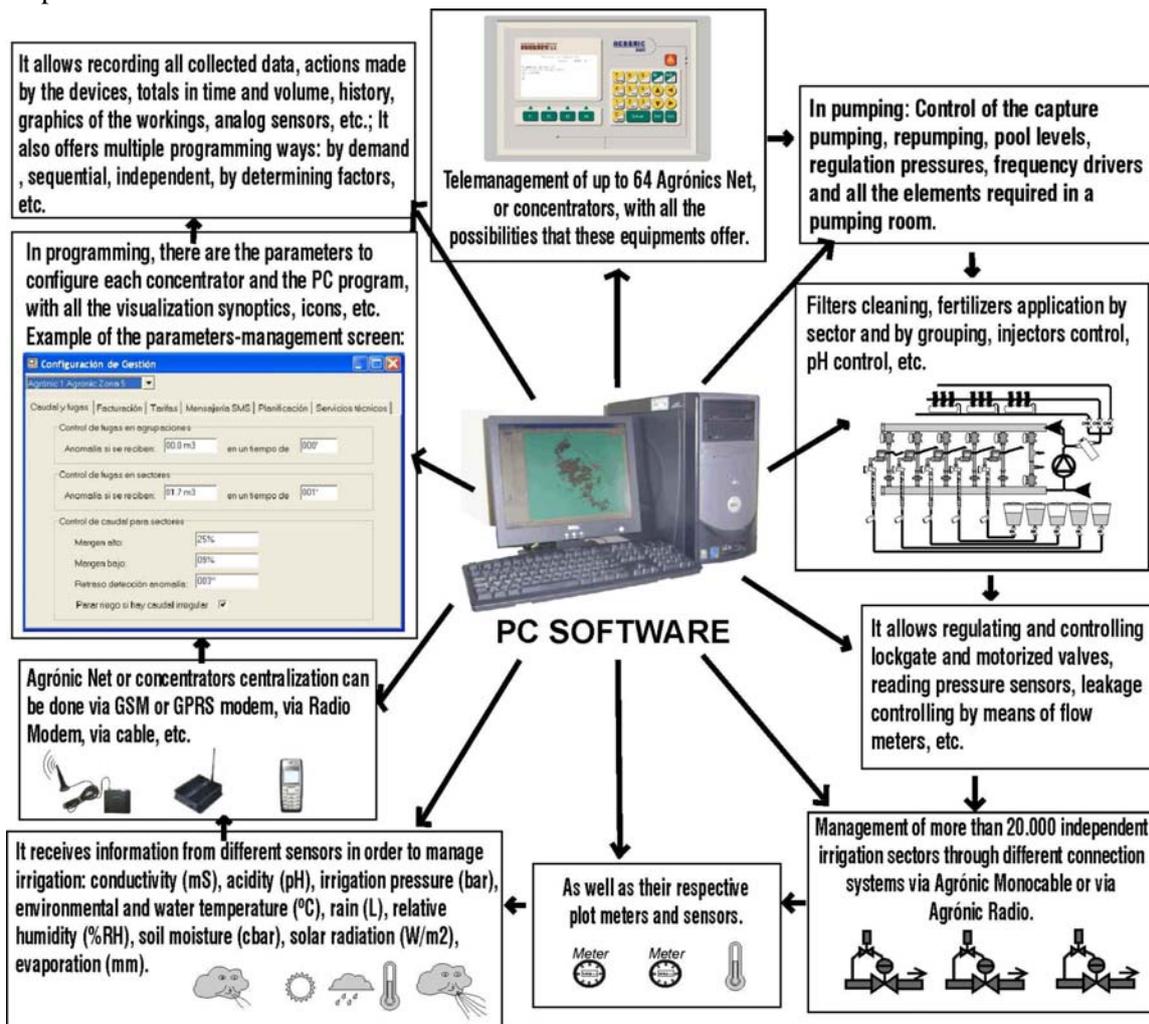
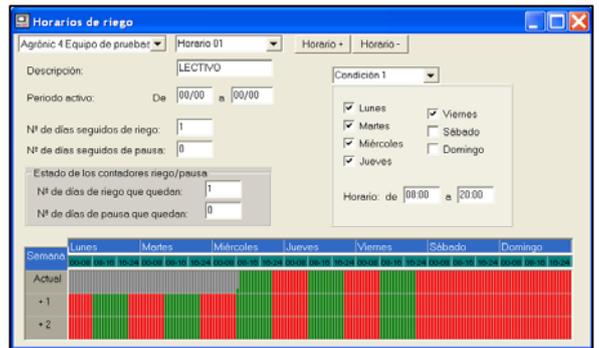


MANAGEMENT PROGRAM AGRÓNIC NET I/PC

By using the windows programming and dialog boxes, the PC program allows with a simple "click" of the mouse, to access in a very intuitive way to any control point of Agrónics Net I: parameters management, irrigation programming, real-time working and all kind of consultations.

The main program features are:

- Possibility to manage up to 64 concentrators Agrónic Net I, integrating all of these controllers into a single one.
- Several connection possibilities: direct cable (RS-232, RS-485), modem (standard or GSM), radio modem, etc.
- Import of draws and plans for the community monitoring, with the possibility of adding icons for a better visualization.
- Consultation through synoptics totally configurable by the user.
- Export to ASCII files of totals, history and invoicing, with the possibility of being treated later with spreadsheets or databases.
- Lists with the irrigation planning.
- Possibility of connecting an external synoptics panel.



MANAGEMENT CONCENTRATOR AGRÓNIC NET I

Agrónic Net I concentrator is an autonomous equipment in the control center which governs the system and allows the control of all elements that a community can have: hydrants, pumps, frequency variators, filters, fertilizers, general meters, motorized valves, pools, pits, etc.

These elements can be connected to the equipment in 3 different ways, which are compatible among them:

- From the base of Agrónic Net I, whose basic model has 40 independent outputs plus 16 inputs for digital signals and 16 analog inputs, all expandable.
- From the Agrónic Monocable Modules (MAM), with the possibility of up to 4 Agrónic Monocable Links (EAM).
- From the Agrónic Radio Modules (MAR), with the possibility of up to 3 Agrónic Radio Links (EAR).

Agrónic Net I concentrator is linked to the PC program placed in the control center via cable, radio, conventional modem or GSM.

The management capacity of the equipment is: 320 hydrants (valve + meter).

Independent programming in each concentrator and management centralized in PC.

AGRÓNIC LINKS:

Agrónic Monocable Link (EAM) and Agrónic Radio Link (EAR) is the equipment responsible for transferring the information between the concentrator and the modules located at the hydrants, and the other way round, through a Modbus standard protocol.

Communication to the concentrator can be done by cable connection to a RS485 bus or a serial port RS232, or by radio with a radiomodem antenna with a configurable transmission speed. Each concentrator can link up to 3 EARs and 4 EAMs simultaneously.

The communication with the modules depends on the type of system.

- **Monocable System:** it allows reaching distances of over 10km from the EAM to the last Agrónic Monocable Module MAM by means of a standard bifilar 2-wire cable type RVK of low capacity minimum section of 1.5 mm². Each EAM can communicate with up to 120 MAM.
- **Radio System:** it allows reaching from 3 to 5 Km distances, depending on the used frequency (868 MHz, 433 MHz and 2,4 GHz). Each EAR can communicate with up to 64 or 120 MAR depending on the used radio system.

EXTERNAL MODULES:

Radio and Monocable external modules can be integrated to Agrónic Net I, and to other control equipment such as PLC's or PC's, for working with Modbus protocol.

Please look at Agrónic Monocable and Agrónic Radio fact sheets.

Agrónic Net I meets all the norms set by the CE.

The products created by PROGRÉS offer a two-year warranty against all manufacturing defects.