

## Computer-based Controller (AnshanLink)

Nowadays, controllers play an important role in modern irrigation systems. A controller helps to apply water in the necessary amount and at the proper time to achieve high level of efficiency in water, energy, and chemical consumptions.

The present invention consists of a graphical user interface and an electronic portion. The software of the set allows the user to control simultaneously up to 6 irrigation solenoid valves. Meantime, each valve can individually act according to the preset program.



There are two control modes: manual and automatic. In manual mode, the valves are manually turned on/off. In automatic mode, they are manually turned on and automatically turned off after a set number of minutes.



The on/off status and elapsed time (on time) related to the valves can be graphically monitored by the system (AnshanLink) in real-time to allow the user to react. Also, there are some LEDs on the enclosure of the electronic unit that display which valves are on. The automatic control of each valve can be overridden by simply flipping the placed toggle switches.

It is important to mention that available commercial products in Iran are very expensive; also, there is no possibility of being controlled by computer.

**Project Leader:** *Yassin Osroosh*

**Researchers:** *Y. Osroosh*

**Participants:** *Isfahan University of Technology*

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