

'TALGIL' range of Irrigation & Fertigation Controllers

We also provide a complete Fertigation Platform for irrigation, Fertigation, and fogging systems with continuous monitoring of pH and EC of irrigation water. The Total system will be consisting of a mixing tank, irrigation pumps, hydraulic suction pumps, additive controlling valves, irrigation water measuring parameters with dedicated sensors, water flow measuring and electrical components to control desired parameters for irrigation quantity and frequency.

"Fit and forget" is the mantra of 'TALGIL' - A leading Israeli company in Agriculture Automation and a world leader in Irrigation and Fertigation Control Systems. What it really means is that TALGIL products require least attention after installation.

TALGIL specializes in Computerized Control of Water Management in Irrigation and Agricultural Operations for nearly 25 years. The company deals with development, manufacturing, and servicing of professional Irrigation Control Systems for Open Field Agriculture, Greenhouse Agriculture and for Landscape Irrigation purpose.

The array of products offer automation solutions for Irrigation, Fertigation, online EC and pH control, Filtration Back Flushing, Drain Water Monitoring and Analysing System, Water Recirculation System, Humidity and Temperature Control in Greenhouses, Remote Terminals (Wireless) Controls for large fields and other special purpose controls.

TALGIL products can now be found in more than 80 countries across 5 continents; proving its strong global presence to offer better agriculture solutions. TALGIL products are known for its Reliability, range of Features and Value for Money.

Besides controllers, we also provide 'Amiad' range of Fertilizer Injectors and 'Bermad' Range of Irrigation Valves.



Greenhouse Automation
Cooling Foggers
De-Leafing Machines
Flower Stem Cutter
Flower Bunching Box
Grading & Cutting tables
Cocopeat
Irrigation & Fertigation Controllers
Imported Shadenets & Thermal Screens
Budnet
Spray Pumps

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Features of Shibboleth Irrigation and Fertigation Control Platform:

Irrigation:

01. Volumetric or time based dosage of water and fertilizer
02. Irrigation days expressed in cycles of days
03. Irrigation days expressed as a list of active days ("Run List")
04. Repeating Irrigation multiple times a day ("Pulse Irrigation")
05. Sequential Irrigation
06. Station can be activated concurrently with others as satellites
07. Irrigation according to Tentiometer with time override
08. Individual program per station
09. Emergency program per station
10. Programs can be changed any time, even during the irrigation process
11. Advanced or Delayed Action of main valve
12. Display of real time information versus designed values.
13. Status per station report.
14. Freezing all activities by manual command.
15. Solenoids test.
16. Water and fertilizer consumption per station can be sampled at a pre-set rate, and accumulated in the PC that serves as a control centre. Stations can be grouped according to the crop or plot they belong to and thus the consumption per plot or crop can be obtained. The information can be displayed as daily, monthly or yearly information.
17. Selective alarm operation, programmed by the user.

Fertigation:

01. Fertigation in 3 stages: Pre water-Fertigation-Post water.
02. Handling Local per Line OR Central Fertilizer Injection.
03. Handling Multiple types of Fertilizer (up to 8).
04. Proportional and Bulk Fertigation.
05. Time based, Volumetric OR Proportional Fertigation can be selected per each Irrigation Line.
06. Quantitative dosage and accumulation in fertilizer pumps with no back indication.
07. Diverse Water and Fertilizer Meter Ratios can be operated.
08. There is no need for large mixer tanks in which the mixture of the water and the fertilizers is prepared, and no need for boosters to pump back the fluid into the irrigation line.

Filter Back flush:

01. Filter Back flushing by time OR Pressure Differential.

Protection Mechanism:

01. High flow and low flow detection and elimination.
02. Water and fertilizer leakage prevention.
03. Detection and elimination of endless consecutive flushing cycles.
04. Complete system halt during low pressure.
05. AC power failure detection (AC models).
06. Short circuit detection for AC solenoids.

For further information or quotation on Talgil Irrigation Controllers and Bermad Valves, you are kindly requested to contact our office.



OVERSEAS



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