

## IRRIGATION & FERTIGATION CONTROLLER

### Control watering and fertigation

Complete controller for 96 blocks, 50 watering programs and 48 fertigation programs, with filter cleaning functions, pumps starters and independent dosing for 6 different products.

Simple and friendly interface to set up easily and accurately the irrigation system in local mode or remotely through web browser or smart phone.

## FUNCTIONS

### Real time monitor

- Water flow
- Pressure
- pH and EC readings
- Current irrigation program
- Current outputs
- Current fertigation program
- Dosing flows
- Alarms

### Manual activation

- Switch on manually an irrigation program
- Stop manually an irrigation program
- Watering Factor in % to increase/reduce the watering time

### Configuration

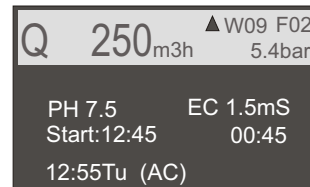
- Edit irrigation programs
- Filters cleaning configuration (periodicity)
- Edit fertigation programs
- Alarms set up

### Data tracking for each block

- Water and product consumption
- Water flow and dosing flow readings evolution
- EC and pH readings evolution
- Log of alarms
- Export XML data for MS Excel

## REAL TIME MONITORING

### CONSOLE MODE



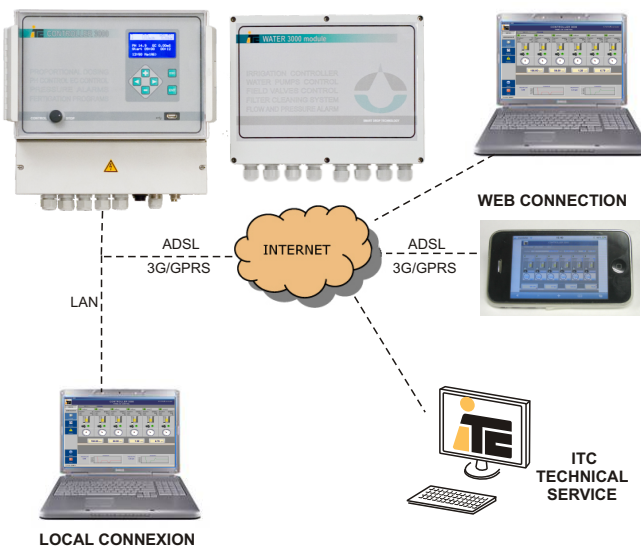
- Irrigation program (W09)
- Fertigation program (F02)
- Flow
- Pressure
- pH and EC readings
- Starting time
- Time left
- Time

### WEB BROWSER MODE (Explorer, Firefox, Chrome, Safari) (No additional software required)

- Irrigation program
- Starting time
- Time left
- Time
- Water pumps on
- Valves on
- Filters in cleaning mode
- Fertigation programs
- Dosing flows
- Dosing ratio (versus water flow)
- Flow
- Pressure
- pH and EC reading



## CONNECTIVITY



## TECHNICAL FEATURES

- Power supply: 230 Vac ( $\pm 10\%$ ) 50/60Hz
- Current
  - C3000 6 out 4-20mA: max. 350mA
  - W3000 module 24 out 24Vac: max.350mA
- Protection IP 55
- Working temperature: 0-45°C
- Relative humidity: 95% (without condensation)
- Modular: up to 4 modules of 24 outputs
- Inputs (optically isolated)
  - Filters cleaning (dry contact)
  - Emergency stop
  - Flowmeter (high frequency- npn)
  - Watermeter (low frequency -dry contact)
  - EC, pH sensors
  - Pressure transmitter (4-20mA)
- Outputs (optically isolated)
  - 24 relay outputs for electrovalves and pump starters
  - 4 relay outputs for water pump
  - 6 relay outputs for filters
  - 6 analog outputs for dosing pumps (4-20mA)
- Flow, pressure, EC and pH alarms
- Communication
  - Ethernet port (local LAN or internet)
  - USB port (3G/GPRS modem)