

EQUIPMENT DESCRIPTION

Irrigation Control

Control of up to 96 different sectors using 200 irrigation programmes. Each programme can be activated independently or linked together, creating programme sequences and simplifying irrigation configuration. The system includes automatic filter cleaning functions and pump start-up control. If it is necessary to readjust the irrigation time across all programmes, the controller allows this by modifying a single parameter known as the "Irrigation Factor".

Fertigation

Fertigation control is managed through 200 programmes assignable to each irrigation programme, with independent dosing of up to 18 different products. Simultaneous control of proportionality, EC, and pH is achieved through the PIQ algorithm developed by ITC®.

Real-Time Monitoring

- Irrigation programmes
- Fertigation programmes
- Start time and remaining time
- Active pumps
- Active valves
- Filters in cleaning mode
- Flow, pressure, EC, and pH readings
- Dosing flow rates
- Dosing percentage

Inputs

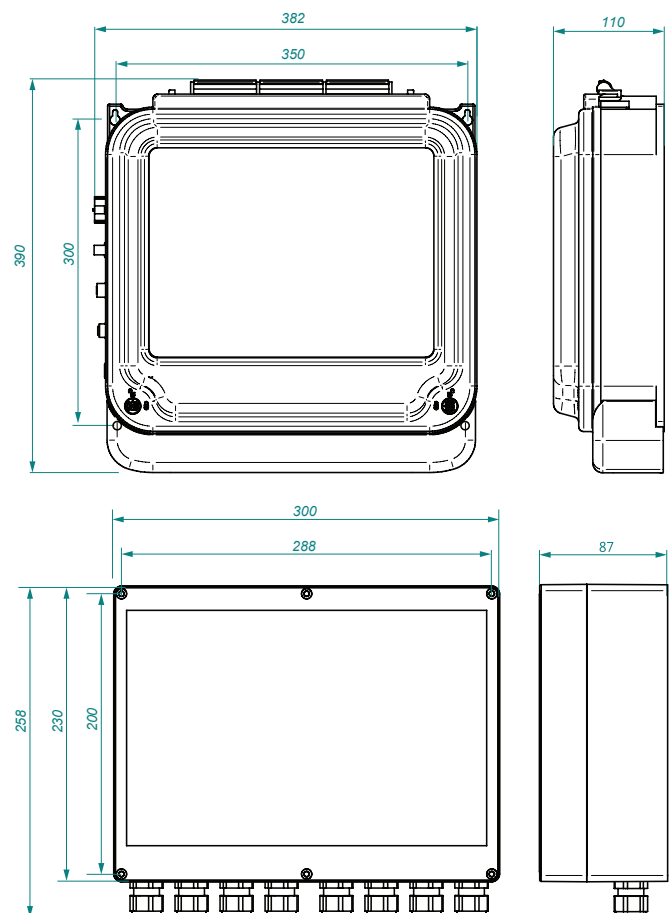
- Filter cleaning
- Emergency stop
- Water meter
- High-frequency flow meter
- pH sensor
- EC sensor
- Pressure sensor

Technical Specifications

Power supply:	110-230VAC (+/-20%) 50/60Hz 12 VDC
Protection rating:	IP55
Operating temperature:	de 0 a 45°C
Maximum relative humidity:	95% (non-condensing)



DIMENSIONS



Input	Description
Flow	Opto-isolated pulse input for high-frequency flow meters (paddle wheel or electromagnetic type) or low-frequency water meters.
Conductivity (EC)	Opto-isolated input for ITC conductivity sensor with temperature compensation.
pH	Opto-isolated input for connection of a pH sensor.
Analogue	2 or 4 analogue inputs (4–20 mA).
Digital	16 or 32 volt-free digital inputs.

Output	Description
Analogue	10 or 18 analogue outputs (4–20 mA) for dosing pumps.
Alarms	Relay outputs: 2 NC + 3 NO, 24 V AC, max. 1 A.
Digital	NO relay outputs, 24 V AC, max. 1 A (8 A max. total). Up to 24 per irrigation module, up to 4 modules (96 outputs in total).

Communications

Local	Wifi (access point)
Cloud	Ethernet, Wifi (internet)