SC400 process computer

Accurate control for irrigation and climate made affordable

With the new SC400 controller it is possible to make the most out of your cultivation process. The system has been developed to include all major functions for either irrigation processes or environmental control. The SC400 comes in several standard versions. The controller assures that everything is under control in your operation, since you will be able to check the inside and outside conditions at any time, from any device and from anywhere in the world.

As a standard, the SC400 controller comes with:

- Irrigation or climate control software
- Possibility to control over the internet via Sercom-supplied router and subscription
- Installation manual in several different languages
- 6 Analogue inputs 0 to 5 volts or 0 to 20 mA
- 3 NTC inputs for temperature sensors
- 4 Digital inputs for litre counters, alarms, etc.
- 16 Digital outputs, 24 V DC, extendable to 64 outputs (for irrigation only)

In brief:

- Integrated all-in-one controller
- Easy-to-use graphical user interface with rotary button
- Clear overviews
- Accurate sensors
- Easy to set up and to commission
- Affordable
- Low maintenance costs

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Climate version

The SC400 controller, the basis for an optimal plant environment, offers the following possibilities:

Configuration for hot climate environment

- Double-sided ridge ventilation
- Facade ventilation
- Energy/shading/outside screens
- Heat (hot air)
- Recirculation fans
- Misting/cooling
- CO_2 regulation
- Lighting

Configuration for cool climate environment

- Double-sided ridge ventilation
- Energy/shading/outside screens
- Recirculation fans
- Two hot water heating nets
- CO_2 regulation
- Lighting

Irrigation version

The SC400 controller guarantees the right amount at the right time, for cultivation in the soil or substrate and has the following functions:

- Irrigation cycle on time or volume
- Starts on time/radiation/water content
- Accurate dosing of fertilisers, A-B up to 2 recipes in 4 zones
- Precise monitoring and control of EC and pH
- Alarm notifications
- Configuration of 4 A-B tanks or 4 different fertiliser tanks (A/B/C/D)
- Possibility of dosing EC/pH per individual valve
- Smart maintenance, including software to calibrate the sensors
- Flexible software configuration, suitable for both direct injection and mixing tank of irrigation unit

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