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ECOSTAR 6000

HIGH TECH IRRIGATION CONTROLLER



ECOSTAR 6000

Irrigation Control that's simple and efficient like never before

- Simple operation by the touch of a button
- Exact irrigation rates through permanent comparison between set and actual retraction speed
- Easy programming of pre- and post-irrigation by direct selection
- A solar panel and a 12 volts battery provide adequate power supply
- Simple operation as well as clear menu navigation speak for themselves

Latest irrigation electronics for precise control of precipitation rates, as well as control and monitoring via SMS function.

- Powerful irrigation electronics with 4.3" Full LED, Touch display
- Basic functions can be accessed via buttons as well as be selected via the display
- Program preselection of 12 different programs
- Recording of water consumption on different levels
- Switching of operation / programming of retraction speed to precipitation rate
- SMS-control and monitoring
- Signal for user if end of PE-pipe is reached
- Signal for operation of short distance sprinkler
- Record and if required read out the last operating steps for error analysis
- Automatic functional analysis of all components and sensors



System-overview of ECOSTAR 6000

- High performance irrigation electronics with 4.3" full LED touch display



- Basic functions can be selected both with the keys and on the display

- START
- STOP
- "+"
- "-"

- Preselection of 12 different programs

- For different surfaces, various parameters are preset (retraction speed, pre- and post-irrigation, speed zones)



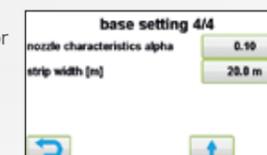
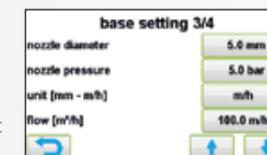
- Recording of water consumption on different levels

- A signal is sent from the water counter to the ECOSTAR via a digital input (1 signal = 100 litres or 1000 litres). The ECOSTAR records the quantity of water consumed per irrigation run and saves it with date in a table.
- This chart can be downloaded via a USB so that it can be processed with a software like EXCEL.
- Display of different water consumptions and option to reset the values at the user's request
 - Display of water consumption since last start
 - Display of water consumption of the last irrigation run
 - Display of total water consumption



- Switching the operation / the programming from retraction speed to irrigation rate

- Programming of the retraction speed (m/h) based on the output diagram as before and control of the turbine's speed on this basis by means of variable-speed motor
- Programming of irrigation rate (mm)
 - Selection of nozzle diameter
 - Selection of nozzle pressure
 - Selection of strip width
 - Selection of nozzle coefficient "Alpha" and retraction speed is calculated by means of these parameters and serves as basis for the control of the turbine's speed by means of a variable-speed motor



- Programming of irrigation rate (mm)
 - Selection of delivery rate
 - Selection of strip width and retraction speed is calculated by means of these parameters and serves as basis for the control of the turbine's speed by means of a variable-speed motor

- SMS control and monitoring

- Machine start
- Machine stop
- Change of retraction speed via SMS
- Retrieval of actual status (ACTUAL retraction speed, end of irrigation time, pulled-off PE pipe, charging status of battery)
- Automatic notification (sent by SMS) in case of error messages
- Several phone numbers can be programmed (max. 4)
- Optional sending of error messages to a selected phone number



- Signal to user when end of PE pipe has been reached at pull-off

- Programming the pipe length that triggers the signal
- Indicator lamp is lit for X seconds according to parameter setting

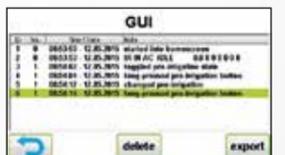


- Signal for operation of small area sprinkler

- Via the ECOSTAR 6000, a valve can be controlled that activates a small area sprinkler for a specified period of time.



- Recording and reading out, if necessary, of the last control steps for error diagnostics



- Automatic functional analysis of all components and sensors

- Motor 1 (turbine control)
- Motor 2 (shut off valve)
- Speed sensors 1 + 2
- Stop sensor
- Solar panel
- Battery

or

PRODUCTS FROM OUR IRRIGATION PROGRAM



SYSTEM 9000



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