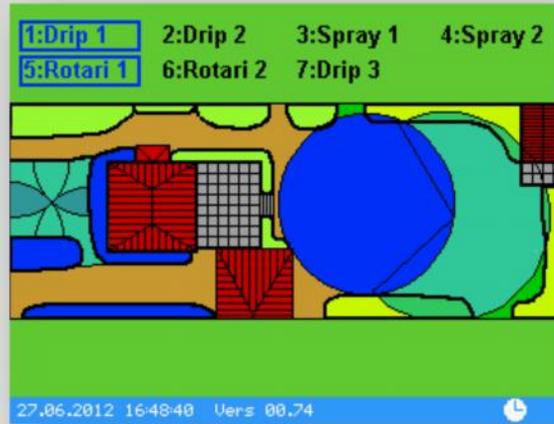


# Irrigation

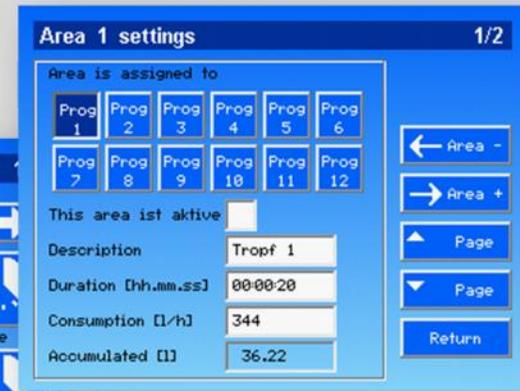
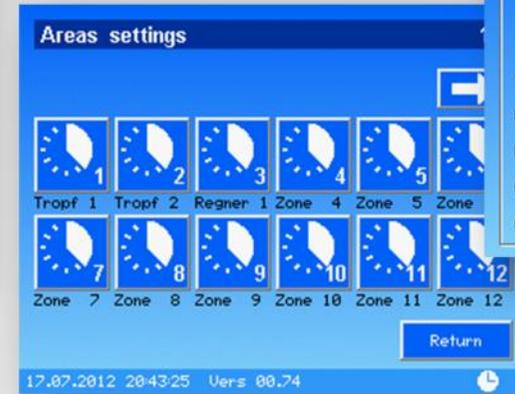
# Control

The Ne Plus Ultra In Irrigation



Graphical presentation: actual irrigated areas are flashing blue.

Each relais-output is assigned to an area which can be programmed individually.



Up to 12 different programs are available.

With pressing [Start] the program will be started manually and single areas can be turned on and off separately.

Easy-view status bar with date, time and several status details:



- The padlock icon shows whether modification is locked or access denied.
- The manual and clock icon displays the manual and operation state (manual and automatic).
- The cloud icon shows that the rain sensor notifies rainfall.
- This icon reports a failure.
- The drop icon indicates that the irrigation is running.
- Warning, e.g. too many areas a time.
- Flow monitor: The volume of water is over the allowed limit.



The main menu: central switchpoint for all operations.



Remote control with PC, iPhone or Android-Smartphones: device settings and preferences can be comfortably changed and monitored via network (LAN/Wi-Fi).



This menu is used to set system preferences (e.g. time, date etc).

Automatical detection of expansion cards. View 12 areas per page.



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### Application:

- Irrigation control for private garden care, professional gardening and landscape maintenance.
- For sprinkling sports areas and golf courses.
- Industrial: against dust formation and for biogas plants control.



### Operating modes:

- Automatic initialization:  
12 automatic programs with 4 start times each can be saved. For each timer one or more preferred weekday/s can be scheduled.
- Manual initialization:  
With pressing [Start] in the main menu the program runs sequentially - and in dependency of the chosen irrigation time - through the selected operation. In the "settings" menu one of the 12 programs can be selected.
- Manual area control „Area-timer“:  
In the manual mode, each zone can be turned on or off directly and independent via the display. If no program is running, the default area is active for the selected time.
- Impulse irrigation exact to the second.

### Functions:

- Big and clear resistive color screen with modern touch control - works also with gloves!
- Rain sensor input to suspend irrigation.
- Input for external failure to stop the programme.
- Output for central valve or pump.
- Alarm output in case of malfunctioning.
- Flexible pause settings between the zones for fountain recovery, pump lead time etc.
- The spacious area symbols give plain information about the current irrigation state.

- The easy-view status bar gives detailed information about date, time, operating mode etc.
- Optional limitation of the maximum assessable areas and relays.
- An additional animated graphic landscape picture is possible. Actual irrigated zones are flashing, which gives an excellent overview about the current operation.
- The landscape pictures on SD card can be easily edited with nearly every photo editor.
- The device can be locked by password against unauthorized access or changes.
- Multilingual: German, English, French.
- Automatic switch between standard time/daylight saving time.
- Plug & play function for expansion cards - without any programming or configuring.
- Easy remote control, data retrieval and programming with a PC, iPhone or Android phone via internet, LAN/Wi-Fi.



- Easy software updates via webbrowser.
- Seasonal adjustment. It works like a main regulator, which effects all irrigation durations. With settings from 0 to 100% it changes the timing of all areas accordingly.
- Water distribution of all areas as a graphic presentation.
- Add up and display of water consumption subject to area.
- Data logger.
- Plausibility check.
- Flow monitoring with external flow indicator

### Electric/mechanic:

- Batterie buffered real-time clock.
- Voltage: 240VAC/50Hz.
- Power consumption: max. 50 VA.
- Device self-consumption: ca. 11VA (0,45A an 24V),  
Magnetic valves: max. ~ 39VA (24VAC 1,6A/ no-load up to 27VAC).

- Integrated power supply for typical up to 16 magnetic valves synchronous (0,1A/Relais). No additional power supply required.
- Basic configuration: 14 relais-outputs for magnetic valves plus 2 relais fixed for special functions (main valve & alarm-output).
- Total 16 relais-outputs on screw terminals, switching power per relais max. 250VAC/30VDC 3A.
- Expandable up to 80 relais with blocks of 16 relais each.
- 4 switching inputs 24V AC/DC with ca. 10mA power consumption, galvanic isolated (for rain sensor, external failure, pressure drop etc),
- Optional 4 analog inputs 4-20mA with galvanic isolation for flow monitoring, tank fill level etc.
- Solide industrial enclosure.
- Ambient temperature: -10° - 50°C.
- Dimensions (length x width x height) ca. 264x233x70 mm.



All information without responsibility for completeness/ correctness and subject to change.