

TOTAL CYCLE MANAGEMENT

WITH NETAFIM LANDSCAPE CONTROLLERS

Netafim's Total Cycle Management solution uses weather stations in combination with soil moisture sensors to provide the most accurate data about your site's irrigation needs. Accurate data means accurate irrigation, so you can use only the water you need, conserving water and promoting plant health.

Before Netafim's Total Cycle Management, irrigation systems provided water monitoring via soil or climate data - not both. But each of these methods has drawbacks when used alone. For example, soil moisture sensors and probes may not be practical for projects with inconsistent soil types. Weather stations, on the other hand, do not measure the soil's true water content, watering based on climate conditions when the soil could be saturated. By combining these two technologies - along with Netafim Landscape Controllers - Total Cycle Management provides irrigation scheduling you can trust.



TOTAL CYCLE MANAGEMENT

Calculate - ET rates using real-time weather data

Communicate - with Cycle Manager, Netafim's web-based software

Validate - your irrigation schedule with soil moisture sensors

1 TWO WIRE = TOO EASY

Netafim's 2-Wire controllers can operate up to 100 valves with one 2-Wire path, connecting valves in a series like a string of lights.

5 TRACK SOIL MOISTURE

Monitor root depth and the amount of moisture in each zone with soil moisture sensors or probes. You'll improve your water-use efficiency and maximize water conservation.

2 RETROFITTING? NO PROBLEM!

In addition to our 2-Wire controllers, Netafim also offers the NLC-100S and NLC-100S Hybrid, conventional controllers perfect for projects that require retrofitting existing systems.

6 CYCLE MANAGER WEB-BASED SOFTWARE

With Cycle Manager, web-based monitoring software, you can manage flow, adjust programs, track alarms and review the entire network to spot leaks or breaks from any web-based computer.

3 EASY NETWORKING

Netafim systems work with LAN or cellular. We'll find a networking solution that fits your situation.

7 MOBILE ALERTS

Get urgent alerts sent from your system directly to your handheld device. You'll be instantly notified of any failure and directed to its exact location.

4 TRACK WEATHER DATA

Weather stations allow monitoring of climate conditions and evapotranspiration (ET) calculations.

APPLICATIONS

RECREATIONAL

- Sports Fields
- Outdoor Arenas
- Municipal Parks

CORPORATE & RESIDENTIAL

- Office Buildings
- Roadway Projects
- School Districts
- Housing Complexes

NURSERIES & GREENHOUSES

TOTAL CYCLE MANAGEMENT SYSTEM COMPONENTS

CONTROLLERS



NLC-100S & NLC-100S HYBRID

A conventional controller designed to convert conventional systems to Netafim's innovative Total-Cycle-Management system. The NLC-100S supports from 1 to 100 valves, operates up to 12 stations simultaneously and can turn 10 programs concurrently. The simple, intuitive programming comes with a wealth of controller capabilities. Available in 25-station modules, up to three 25-station expansion boards can be added to the base controller via hard wiring.

NLC-100D

A decoder-based, 2-Wire controller supporting 1 to 100 valves, operates up to 12 stations simultaneously and can run 10 programs concurrently. The NLC-100D uses the NLCL3DLD050 programmable line decoder, which can be addressed and tested at the controller. The integrated diagnostics test for decoder operation as well as the 2-Wire path conditions. This inexpensive 2-Wire controller provides ultimate flexibility with:

Mist Manager - valve operations controllable in 1 second increments

FloStack™ - program stacking based on flow for up to 10 simultaneous programs

RealNet - real-time, internet-based water management via GSM or LAN

IntellisET - smart irrigation using ET and moisture sensors

FloGuard - alarm and control options based on flow



MANAGEMENT SOFTWARE

CYCLE MANAGER

Netafim's Cycle Manager is a web-based software program accessible from any computer connected to the internet via any Java-enabled web browser on any operating system. Cycle Manager supports real-time remote control and monitoring capabilities, including hourly, daily and monthly reports on water use, ET, rain, soil moisture and temperature. All programming functions, along with full manual and automatic operations, are supported.



WEATHER STATIONS & SOIL MOISTURE SENSORS

NLCET300W

A low-cost alternative to onsite weather stations. The NLCET300W connects directly to your Netafim Landscape Controller and produces a pulse output for both ET and rain. It is a solar powered, wireless weather station that can be located up to 1000' line of site (LOS) from any number of NLC-100S or NLC-100D controllers on a single site or connected to our Cycle Manager software for retransmission to multiple sites.



NLCSMS100

Single capacitance sensor that provides soil moisture monitoring data including soil moisture and temperature.



Along with these products, Netafim has additional water conserving components that can be combined to create a Total Cycle Management irrigation system to suit your project's unique needs.



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