

# NETAFIM LANDSCAPE CONTROLLER

Stand Alone Controller for Converting Conventional Systems to Remote Management

## NLC-100S CONVENTIONAL

### APPLICATIONS

- For commercial and residential applications
- For recreational applications such as sports fields, parks and arenas
- Remote management from any web-based computer
- Nurseries and greenhouses

### SPECIFICATIONS

- Stations (valves): 1 - 100\*
- Electrical input: 115VAC, 50VA  
Electrical output: 24VAC
- Maximum simultaneous active valves: 6
- Master valves: 1, 10 second stop delay
- Booster pumps: 2, 10 second stop delay
- Built-in lightning protection
- Valve output: 24VAC, 1.0 A per station maximum, 1.5 A total maximum
- Cabinet: wall mounted NEMA 4 rated locking plastic or stainless steel cabinet with internal Class 2 transformer
- Flow sensing capable

\* Stations from 26-50 require NLCCAB20. Stations from 51-75 and 76-100 each require an NLCEXT.P.

### FEATURES & BENEFITS

#### SIMPLE TO RETROFIT

Expressly designed to convert a conventional system to a remote management system with a wealth of controller capabilities.

#### PATENTED TOTAL CYCLE MANAGEMENT

Totally integrated system utilizing a weather station, tipping rain bucket and up to 10 soil moisture sensors.

#### MANAGE REMOTELY

Control irrigation programs and review daily logs and schedules for multiple sites from any web-based computer (service contract required).

#### INSTANT TROUBLESHOOTING

Built-in monitors and alarms send automatic notifications pinpointing the exact nature of the problem (service contract required).



QUALIFIES FOR USE ON LEED PROJECTS



NLC INSTALLATION VIDEOS AVAILABLE AT [WWW.YOUTUBE.COM/NETAFIMUSA](http://WWW.YOUTUBE.COM/NETAFIMUSA)



#### HYDROMETER FLOW SENSOR

The perfect solution for retrofitting - contains both a master valve and flow sensor in one sturdy package.

- No straight pipe requirements upstream or downstream for installation in tight places.
- Real-time flow display based on pulses per gallon.
- Photo diode option for high frequency output, even at low flows. Powered by the controller or by a sensor decoder.
- Provides +/- 2% accuracy across a wide range of flows.
- Also used with NLC-100S, NLC-100D and NLC-3D systems.

## NLC-100S CONVENTIONAL CONTROLLER FACE PLATE



## ADVANCED FEATURES

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 a host of ET-based capabilities
FLOGUARD	Alarm and control option based on flow monitoring

## REMOTE MANAGEMENT

- Via the internet when equipped with GSM or LAN
- Direct virtual screen control
- Real time web pages via Cycle Manager software
- Remote App for all smart phone and tablet platforms

## CONSERVATION FEATURES

- Rain Sensor Terminals/Pulse, N/O, N/C
- Flow Sensor inputs at the Controller with:
  - Alarms: High, Unscheduled, % Deviation, Main Pump Failure with adjustable delay
  - Learn flow per station
- Moisture Sensors up to 10 per Controller
  - Monitoring by % volume and inches
  - Allow and inhibit per program
  - Automatically adjust ET based programs
- Multiple ET sources
  - Historic ET by city
  - Local on-site weather station
  - Server based data

## OPERATING FEATURES

PROGRAMS	10 + 1 Test Programs
CONCURRENT PROGRAMS	10
START TIMES	12 per Program, 1-99 repeats per start
CALENDAR	14 days or Odd/Even
STATION RUN TIMES	0-999 minutes in 1 second increments (<4 minutes) or 10 second increments (4-999 minutes)
WATER BUDGET	0-250% at 1% increments
PROGRAM MODES	Active and Passive
START METHODS	Auto, Manual by Program, Manual by Station
DISPLAY	Monitors active programs, run times and alarms

## DIMENSIONS & WEIGHT

LENGTH	12"
DEPTH	6"
HEIGHT	12"
WEIGHT (LBS.)	15

## ORDERING MATRIX

### OPTIONS

**NLCSP** - STATION COUNT - CABINET/PEDESTAL - COMMUNICATION - **NO** - OUTPUT

#### CONVENTIONAL PANEL

STATION COUNT *
<b>012</b> = 12 Stations
<b>018</b> = 18 Stations
<b>025</b> = 25 Stations
<b>037</b> = 37 Stations
<b>050</b> = 50 Stations
<b>075</b> = 75 Stations
<b>100</b> = 100 Stations

\* Order appropriate Cabinet size (P12, C12 or C20) for Station Count

CABINET/PEDESTAL
<b>P12</b> = 12" x 12" x 6" Cabinet (Up to 25 stations)
<b>C12</b> = 12" x 12" x 6" Cabinet (Up to 25 stations)
<b>C20</b> = 12" x 20" x 6" Cabinet (Over 25 stations)
<b>PE1</b> = 2 Piece Top Entry SS Lite Pedestal (1-100 stations)
<b>PE3</b> = 1 Piece Top Entry SS HD Pedestal (1-100 stations)
<b>NON</b> = No Cabinet or Pedestal

COMMUNICATION
<b>W</b> = Cellular
<b>L</b> = LAN
<b>N</b> = None

#### NOT HYBRID

OUTPUT TERMINAL
<b>Y</b> = Heavy Duty Output Lightning Strip
<b>N</b> = No Output

#### ORDERING EXAMPLE:

**NLCSP-012-C12-N-NO-N** = Model Number **NLCSP012-C12NNON**  
Netafim Landscape Controller NLC-100S, Conventional Panel, 12 Stations, 12" x 12" x 6" Cabinet, No Communication, Not Hybrid, No Output Terminal



**NETAFIM USA**  
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NLC100S 10/16