



NETAFIM LANDSCAPE CONTROLLER

2-Wire Interface Adapts to Any Conventional Controller Enabling System Expansion

NLC-3D HYBRID

APPLICATIONS

- Commercial, residential, HOA and sports field applications with a conventional control system
- Retrofit applications requiring a flow sensor and/or master valve
- Applications that require the rezoning or expansion of existing systems

SPECIFICATIONS

- Stations (valves): 6 or 24
48 maximum with additional parallel 3D
- Electrical input: 24VAC sourced from current controller
- Each 3D interface includes (1) master valve and (1) flow sensor input
- Up to 3 stations simultaneously
- 2-Wire distances up to 8,000'
- Status LEDs

FEATURES & BENEFITS

CONVERT TO A 2-WIRE DECODER SYSTEM

Combine a 2-Wire decoder with existing conventional wiring output, directly from the controller, for true hybrid applications.

ADD MULTIPLE VALVES

From any existing valve location, add multiple valves without having to install wires back to the controller.

TRUE 2-WIRE DECODER CONTROL

Take full advantage of increased wire distances, smaller wire sizes and added flexibility with this two wire interface.

ADD A MASTER VALVE OR FLOW SENSOR

Allows the addition of a master valve and a flow sensor without having to install wires back to the controller. Combination flow and master valve decoder available.



HYDROMETER FLOW SENSOR

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

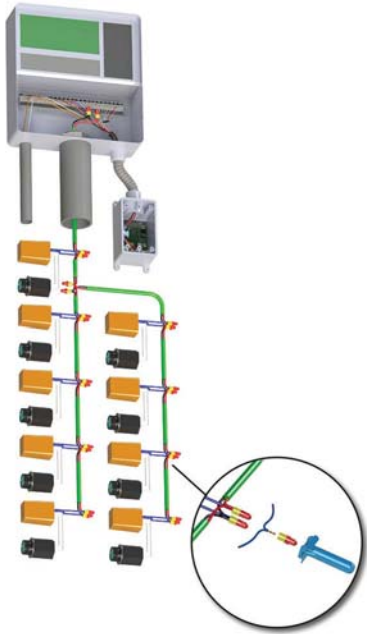


- No straight pipe requirements upstream or downstream for installation in tight places.
- Real-time flow display based on pulses per gallon.
- Photo diode option for high frequency output, even at low flows. Powered by the controller or a 3D decoder.
- Provides +/- 2% accuracy across a wide range of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

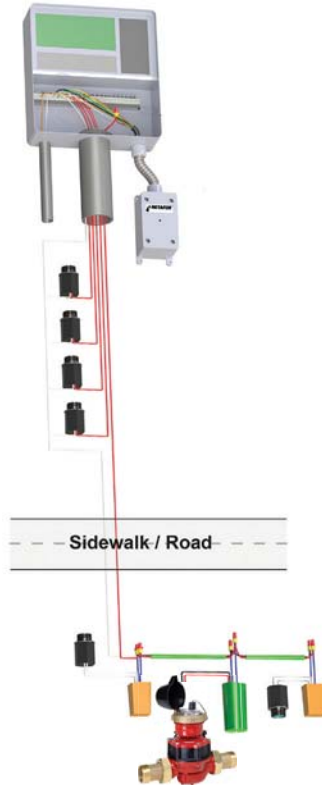
NLC-3D HYBRID INTERFACE CONFIGURATIONS

The following illustrations show a NLC-3D Hybrid interface with a conventional controller.

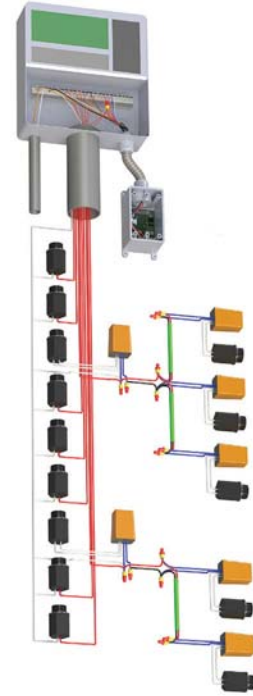
Simple conversion to a 2-Wire system



Adding 2-Wire, master valve and flow sensor using existing conventional wires



Conventional outputs with addition of valves by converting to a 2-Wire system



2-WIRE DISTANCES

SIMULTANEOUS OPERATIONS	TW18/ 2AWG	TW16/ 2AWG	TW14/ 2AWG
1 VALVE	3,000	6,000	8,000
2 VALVES OR 1 VALVE + MASTER VALVE	2,300	4,600	6,000
3 VALVES OR 2 VALVES + MASTER VALVE	1,500	3,000	4,000

CONFIGURATIONS

NLC3D24	Supports up to 24 decoders plus (1) master valve and (1) flow sensor for 2-Wire decoder applications
NLC3D6	Supports up to 6 decoders plus (1) master valve and (1) flow sensor for retrofit or repair applications

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
NLC3D6	3D with 2-Wire Output for up to 6 Valves, Flow Sensor, Master Valve, NEMA 4X Enclosure, Flex Conduit Connection for Hybrid Function
NLC3D24	3D with 2-Wire Output for up to 24 Valves, Flow Sensor, Master Valve, NEMA 4X Enclosure, Flex Conduit Connection for Hybrid function
NLC3DDLPCB	Add-on PCB with Dynamic Load Feature for Smart Controllers with Advanced Valve Diagnostics by Hydropoint, ET Water and Eagle Series by Rainmaster
NLC3D6PCB	NLC3D6 with PCB board pre-installed
NLC3D24PCB	NLC3D24 with PCB board pre-installed
NLC3DL050	Orange Single Valve Line Decoder for use with Hybrid SH Controller, NLC3D6 and NLC3D24 (Sold in Box of 10 ea.)
NLC3DL050-1	Orange Single Valve Line Decoder for use with Hybrid SH Controller, NLC3D6 and NLC3D24 (Sold in Qty of 1 ea.)
NLCLSP100	Line Surge Protection - Yellow
NLC3DSD100M	Green Flow Sensor Decoder for NLC-3D with use of Photo Diode Meters
NLC3DSD100	Green Flow Sensor Decoder for NLC-3D with use of Reed Switch Meters
NLC3D-FMVM	Flow / Master Valve Decoder with 5VDC for NLC-3D with use of Photo Diode or Reed Switch Hydrometer