



The Toro Lynx Smart Module 2-Wire Control System uses innovative technology to provide an irrigation solution that is reliable and efficient. Using a 2-wire path to communicate to buried control units, the system reduces the costs associated with traditional valve wire bundles and provides a solution that is vandal resistant, easy to install and easy to expand.

FEATURES & BENEFITS



Speed

Provides information faster than other two-wire brand, reducing test times from minutes to seconds and providing greater visibility into the overall health of the irrigation system.



Precision

Apply water with one-second resolution. The exact amount of water is placed exactly where it's needed.



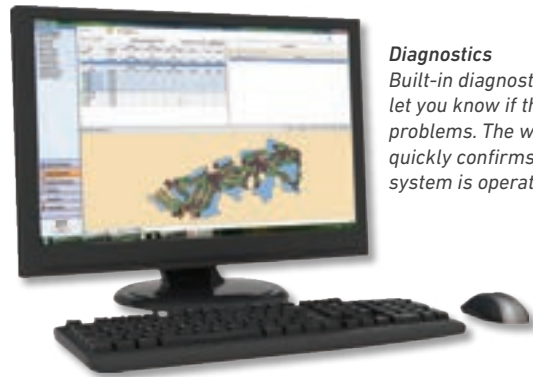
Upgradeable

Upgrade remotely with just a click. Innovative new features and benefits are just a click away.



Durable

Best in class surge protection to help weather the storm. It works with the Lynx Smart Hub, which protects the flow managed irrigation schedule, even in the event of a central failure. Best in class broadband lightning protection.



Diagnostics

Built-in diagnostics automatically let you know if there are any problems. The wire path check quickly confirms that the whole system is operational.



Integrated Sprinkler
Toro INFINITY® and FLEX800™ Series sprinkler models have an integrated 2-wire module option.



INTERFACE OPTIONS



Lynx Smart Hub

Lynx Smart Hub is a new type of field controller that adds security, programmability and sensing to the benefits and simplicity of a two-wire system.

- ✓ The system can be segmented into manageable areas for simplified maintenance
- ✓ Provides for in-field manual operation or troubleshooting
- ✓ Stores and runs a fully flow-managed irrigation schedule in the event the central computer is offline
- ✓ Creates a convenient point of connection for soil, flow and status sensors

Specifying Information—2-Wire Modules

LSM-1	
Type	Configuration
LSM	X
Lynx Smart Module	1—1-station

Example: A 1-station Lynx Smart Module would be specified as: **LSM-1**

**Refer to sprinkler pages for specifying information on Sprinkler 2-wire Modules*

Specifying Information—Gateway or Lynx Smart Hub

DEC-XXX-XXXX-XX				
Type	Configuration	Cabinet	Station Count	Communication Type
DEC	XXX	X	XXXX	XX
DEC	RS—Lynx Smart Hub	WM Metal P—Green Plastic Pedestal B—Brown Plastic Pedestal T—Tan Plastic Pedestal	1000—1000 Stations, Lynx Smart Hub*	M—Wireline DR—Radio

Example: A 1000 station Lynx Smart Hub with green plastic pedestal and radio communication would be specified as: **DEC-RSP-1000-DR**

Note: A blank after RS indicates the wall mount cabinet. P, B, and T indicate green, brown, and tan plastic pedestals.

SPECIFICATIONS

Operational

Lynx® Central:

- Mapping capabilities
- Remote hand-held operation
- Weather station integration
- Pump station integration
- Enhanced diagnostics:
 - Communication
 - Electrical shorts/opens
 - Solenoid check
- No holding power required to operate stations
- Decoder identification is a unique 6-character address

Installation

- Maximum number of wire paths: 4 per gateway
- Maximum number of Lynx Smart Hubs: 20 per system
- Maximum number of modules per wire path: 250
- Maximum stations per Lynx Smart Hub: 1000
- Maximum stations per system: 10,000
- Simultaneous stations per output board: 100
- Maximum distance from central to module (using 14 gauge wire): 2.8 miles
- Maximum distance from module to sprinkler (using 14 gauge wire): 400 ft.
- Solenoids per output: 2 DCLS-P
- Stations per module: 1

Electrical

- Input power: 88-264 V ac, 50/60 Hz
- Output Power:
 - Output voltage: 40 V ac max
 - Output power: 75 VA max
 - Class 2, SELV
- ISP 2-wire modules are rated at 20 KV surge protection
- 2-Wire modules wiring: 14 awg

Lynx Smart Hub

