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

Simplicity
One cable simplifies installation and maintenance. Automated diagnostics keep you informed.

Expandable
Adds, moves and changes are easy – just plug and play.

Cost Effective
Less wire – lower cost.

Forward Thinking
Two-way communication between the central and every sprinkler enables the addition of more SMART features.

Secure
The unique Lynx Smart Hub can run the automatic programs, even if the central is down. 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 and programmability 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

SPECIFICATIONS
Operational Specifications

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: 1,000
- Maximum stations per system: 10,000
- Simultaneous stations per output board: 100
- Maximum distance from central to module (using 2.1 mm² wire): 4.5 km
- Maximum distance from module to sprinkler (using 2.5 mm² wire): 120 m
- Solenoids per output: 2 DCLS-P
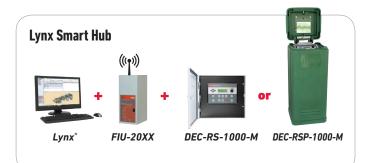- Stations per module: 1

Electrical Specifications
Input Power:
  88-264 VAC, 50/60 Hz
Output Power:
  - Voltage: 40 VAC max
  - Power: 75 VA max
  - Class 2, SELV
- ISP 2-wire modules are rated at 20 KV surge protection
- 2-Wire modules wiring: 2.1 mm² wire

*Features available with Lynx 7.0

Specifying Information—2-Wire Module

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**	

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

Lynx Smart Hub

Lynx® + FIU-20XX + DEC-RS-1000-M or DEC-RSP-1000-M

Specifying Information—Lynx Smart Hub

DEC-RSX-1000-XX				
Type	*Configuration*	*Cabinet*	*Station Count*	*Communication Type*
DEC	**RS**	**X**	**1000**	**XX**
DEC	RS—Lynx Smart Hub	Blank—WM Metal	1000—1000 Stations, Lynx Smart Hub*	M—Wireline
		P—Green Plastic Pedestal		DR—Digital Radio
Example: A 1000 station Lynx Smart Hub with green plastic pedestal and Wireline communication would be specified as: **DEC-RSP-1000-M**				

Note: A blank after RS indicates the wall mount cabinet.