LYNX® Smart Module **2-Wire** Control System

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

• Module 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

Integrated Sprinkler

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

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

LYNX® Smart Module **2-Wire** Control System

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.
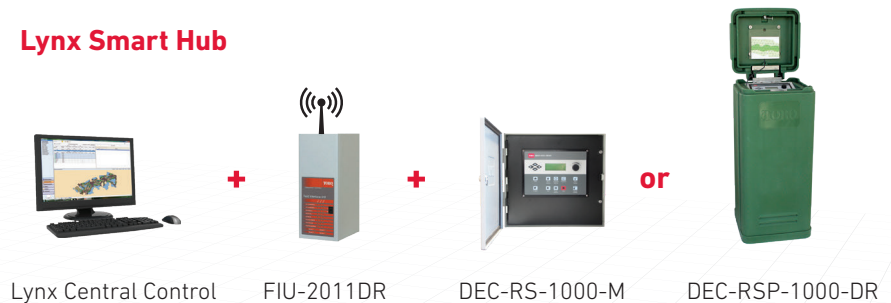
✔ The system can be segmented into manageable areas for simplified maintenance

✔ 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

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.

Lynx Smart Hub

Lynx Central Control **+** FIU-2011DR **+** DEC-RS-1000-M **or** DEC-RSP-1000-DR

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	1000—1000 Stations, Lynx Smart Hub*	M—Wireline
		P—Green Plastic Pedestal		DR—Radio
		B—Brown Plastic Pedestal		
		T—Tan Plastic Pedestal		
Example: A1000 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.