

GDC 2-WIRE CONTROL SYSTEM



The Toro Lynx GDC 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.



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Modules for in-line valves for tee boxes, landscaping, etc.



DEC-ISP-2

DEC-ISP-1





INTERFACE OPTIONS

Gateway Interface

Combines power and data together into a coded signal that is transmitted on the twowire path. The wall mounted cabinet is normally installed in the office, next to the Lynx central control computer.



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 flowmanaged 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

DEC-ISP-X				
Туре	Type Configuration			
DEC-ISP	X			
DEC-ISP—Module*	1—1-station 2—2-station 4—4-station			
Example: A 2-station GDC Module would be specified as: DEC-ISP-2				

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

SPECIFICATIONS

Operational

- Mapping capabilities
- Remote hand-held operation
- Weather station integration
- Pump station integration

- Electrical shorts/opens
 Solenoid check

Installation

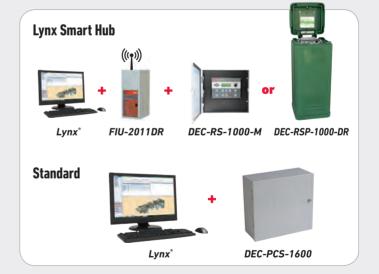
- Maximum number of wire paths:
- Maximum number of gateways:4 per system (Standard)

- Maximum stations per gateway:
- 1000 integrated (Standard)
- 1600 off fairway (Standard)
- 1000 Lynx Smart Hub
- 4000 integrated (Standard) 6400 off fairway (Standard) 9000 Lynx Smart Hub

Electrical

- Output voltage: 40 V ac max
- Output power: 75 VA max
- KV surge protection
 2-Wire modules wiring: 14 awg

- operate stations
- Decoder identification is a unique 5-character address
- Simultaneous stations per
- central to module (using 14 gauge wire): 2.6 miles
- Solenoids per output: 2



Specifying Information—Gateway or Lynx Smart Hub

DEC-XXX-XXXX-XX					
Туре	Configuration	Cabinet	Station Count	Communication Type	
DEC	XXX	X	XXXX	XX	
DEC	PCS—Central	WM Metal	1600—1600 Stations, Standard	M—Wireline	
	RS—Lynx Smart Hub	P—Green Plastic Pedestal	1000—1000 Stations, Lynx Smart Hub*	DR—Radio	
		B—Brown Plastic Pedestal		*Only available for	
		T—Tan Plastic Pedestal		Lynx Smart Hub	
Example: A1000 station Lynx Smart Hub with green plastic pedestal and radio communication would be specified as: DEC-RSP-1000-DR					