

THE BEST OF BOTH WORLDS: **NEW LYNX® SMART HUB**

This new type of field controller combines the flexibility of satellite controllers with the cost savings of a 2-wire system.

LIKE A SATELLITE:

- Superior backup and operation if connection to the central computer is interrupted.
- Ideal for construction can water without central control.
- Easy to troubleshoot and maintain.

LIKE A 2-WIRE SYSTEM:

- Up to 20% lower installation cost
- 90% less cable on the course
- Uses low voltage



PLUS, each Smart Hub can control up to 1000 sprinklers, compared to 64 per traditional satellite controller.

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	1				
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

SPECIFICATIONS

Operational

- 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): 4,2 km (2.8 miles)
- Maximum distance from module to sprinkler (using 14 gauge wire):
- Solenoids per output: 2 DCLS-PStations per module: 1

Electrical

- Input power: 88-264 V ac, 50/60 HzOutput 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



Specifying Information—Gateway or Lynx Smart Hub

DEC-XXX-1000-XX									
Туре	Configuration	Cabinet	Station Count	Communication Type					
DEC	XX	X	1000	XX					
DEC	RS—Lynx Smart Hub	No letter: wall mount installation	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

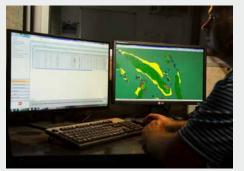
XXXXX-XX-X6X									
Туре	Body inlet	Arc	Nozzle1	Nozzle 2	Pressure Regulation*	Activation Type*	Optional		
XXX	X	X	X	X	X	X	6		
INF	3 – 1"	4 – Full Circle	3 – 1"	0 - 7*	6 – 4,5 bar (65 psi)	6 – Lynx Smart	6 – Trujectory*		
FLX	5 – 1.5"	5 – Part Circle	5 – 1.5"	1 - 9	8 – 5,5 bar (80 psi)	Module w/DCLS			
					1 – 6,9 bar (100 psi)				
				* O only for INF35 or FLX35			*Only for INF/FLX35 and 55		
Example: When ordering and FLX55 Series Sprinkler, #54 nozzle, pressure regulation at 80 psi (5,5 Bar), with Lynx Smart module included and									
	Trujectory, you would order: FLX55-548-66								

MORE CONTROL THAN EVER

The Lynx® Smart Module (LSM) uses smart sprinkler technology to give you precision control for Toro Lynx 2-Wire systems. Developed with the needs of golf course superintendents in mind and based on decades of engineering experience, it delivers high speed diagnostics using rapid two-way communications. Smart Guard™ ensures robust lightning protection while installation and maintenance is made easier using barcode apps.









COMING SOON! - LYNX DASH

even on manual watering activities.

The Toro Lynx Central Control system makes all essential irrigation information available in a single, intuitive interface to help you save time, water and money. Powerful diagnostics automatically inform you about any problems. Key benefits include:

Easy Setup – Lynx gives you a fast, accurate way to program and control your irrigation activities right from your

LYNX° CENTRAL CONTROL

Easy Control – A comprehensive Course have not upgraded to Lynx, the Lynx Report function supports your scheduled Smart Satellite is also compatible with irrigation with system status information, the SitePro Central Control system.

Water Savings – Put water exactly where you want, and easily make edits as your course conditions change.

Backward Compatible – For those who



The Lynx Smart Module provides diagnostic information up to 10 times faster than other 2-wire brands reducing test times from minutes to seconds for up to 1000 sprinklers. That means course managers can reduce downtime and optimize efficiency. In addition, the handy bar code app puts faster installation and replacement in the palm of your hand.



Make significant water savings and prevent overwatering. The Lynx Smart Module lets you control sprinkler run times to within +/- 1 second tolerance so you get exactly the right amount of water precisely where it's needed. Just imagine: running 1000 sprinklers at 80 lpm for just 30 seconds less could save about 40 cubic metres per day!



UPGRADEABLE

UPGRADEABLE

The Lynx Smart Module can be upgraded remotely with just a click. That means that course managers will always have the very latest innovative features and benefits as soon as they are released so they can count on being up to date.



Each component of the Lynx Smart Module is designed with durability in mind. It also features best in class surge protection to withstand tough lightning conditions. The module also works with the Lynx Smart Hub to protect flow-managed irrigation schedules — even in the event of a central failure.

GENERAL FEATURES

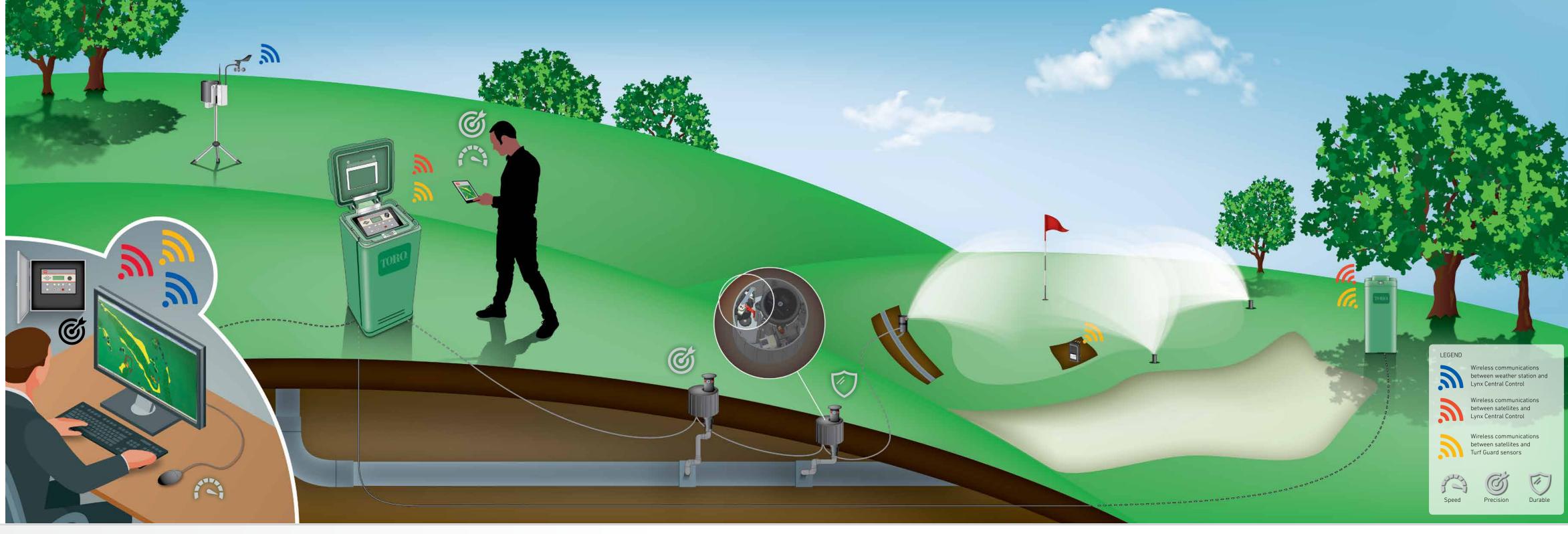
Speed up installation and avoid errors using the bar code app and the high speed 2-wire network. Lower power requirements and direct burial mean you can easily add stations.

Simplify maintenance using high speed diagnostics to quickly check the health of the system. Use familiar terms like "hole 1" or "greens" to set up schedules

Reduce costs using less wire than other systems.

Avoid damage from vandalism, flooding or equipment collisions since most parts are buried.

Relax! The Lynx Smart Hub lets you manage everything and even create programs even if the central isn't working. Also, running at just 40 volts, you needn't worry about high voltage cables on the





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