



## CONTROLLERS

***The easiest and most powerful decoder system available for golf course irrigation.***

### ***Powerful***

- Fewer wire paths
- Accommodates the largest systems
- Optimizes water use

### ***Easy to Install***

- Flexible design and installation
- Saves time in design

### ***Easy to Own***

- Lower maintenance cost
- Reduced troubleshooting time
- Simple to expand

The Toro GDC System uses innovative decoder technology to provide an irrigation solution to value oriented customers who also want a safe, reliable and energy efficient system. The System uses proven aerospace technology to allow for longer wire runs, smaller gauge wire sizes and more simultaneous valves in operation.

Using a two-wire path to communicate to buried decoders, the system eliminates the costs associated with traditional valve wire bundles and provides a solution that is vandal-resistant, easy to install and easy to expand.

Use it as a stand-alone system with the GDC 200 or connect it to SitePro to take advantage of the most advanced features in Golf Central Control Systems.

Whether you have 100, 800 or up to 3,200 stations, the GDC system will meet your needs. For more information contact your Toro Sales Representative.



**GDC 200**



**1-Station**

**2-Station**

**4-Station**

**GDC Decoders**



**SitePro Central Control**

Feature	Using Stand Alone Controller	Using SitePro Central Software	
1	Number of wire paths	2	4
2	Maximum Stations per wire path	100	800
3	Maximum Stations per system	200	3200
4	Simultaneous solenoids per wire path	20	50
5	Maximum distance from central to decoder (using 2.5mm <sup>2</sup> wire)	4.5 km (2.7 miles)	4.5 km (2.7 miles)
6	Maximum distance from Decoder to sprinkler (using 1.5mm <sup>2</sup> wire)	100m (328 ft)	100m (328 ft)
7	Solenoids per output	2 VIH or 1 block	2 VIH or 1 block
8	Wireless remote control	TMR-1	HHRI
9	Maximum number of programs	10	6000
10	Mapping capabilities	N/A	TMap
11	Stations per decoder	1, 2 or 4	1, 2 or 4
12	Pump station integration	Yes	Yes
13	Sensors	Rain, Pressure	Rain, Pressure
14	Decoder wiring	2 x 2.5mm <sup>2</sup>	2 x 2.5mm <sup>2</sup>
15	Solenoids	DCLS-P	DCLS-P
16	Sensor Decoder Available	Pulse or Switch	Pulse or Switch
17	Surge Protection	Internal	Internal
18	Decoder Identification	Up to 10 alphanumeric characters	Up to 10 alphanumeric characters
19	Operating Temperature	0C to 60C	0C to 60C
20	Storage Temperature	-30C to 100C	-30C to 100C
21	Gateway Output voltage	38 VAC max	38 VAC max
22	Gateway Output Power	98VA max	98VA max
23	Cabinet Type	Non-corrosive lockable wall mount, indoor/outdoor installation	Non-corrosive lockable wall mount, indoor/outdoor installation
24	Input Power Supply	100 VAC, 50/60Hz 120 VAC, 50/60Hz 220-240 VAC, 50/60Hz	100 VAC, 50/60Hz 120 VAC, 50/60Hz 220-240 VAC, 50/60Hz

## Ordering Information

Part Number	Description
<b>Stand Alone Controller</b>	
DEC-SA-200	GDC 200 Controller
<b>SitePro for GDC</b>	
SP-00-1-28	SE Basic Computer 1 Year NSN for Network GDC, includes Gateway
SP-01-1-38	PE Standard Computer 1 Year NSN for Network GDC, includes Gateway
SP-01-1-48	CE Standard Computer 1 Year NSN for Network GDC, includes Gateway
SP-04-1-48	CE Premium Computer 1 Year NSN for Network GDC, includes Gateway
SP-01-5-48	CE Standard Computer 5 Year NSN for Network GDC, includes Gateway
SP-04-5-48	CE Premium Computer 5 Year NSN for Network GDC, includes Gateway
<b>Decoders</b>	
DEC-ISP-1	GDC 1 Station Decoder.
DEC-ISP-2	GDC 2 Station Decoder
DEC-ISP-4	GDC 4 Station Decoder.
DEC-SEN	GDC Sensor Decoder
<b>GDC System Accessories</b>	
997-04	T-Weather
NB-HHRI-02	Network Hand-Held Radio Interface less Radio, CE Marked
DEC-PC-1600	GDC Expansion Gateway
DEC-SG-LINE	Communication line surge arrestor

Note: Products may not be available in all regions. Please consult your Toro regional manager for availability.





Count on it.

# SitePro® Central Control System



CENTRAL SYSTEMS

*Maximize the performance of your course with the power of the only system designed and supported by the industry leader in golf products.*

*Toro pioneered centralized irrigation control—developing features that set the standard for productivity in the industry. Based on customer needs, we continue to add features and improve our central control systems to further optimize your resources.*

*Toro's philosophy of continuous improvement results in the only central control system that meets the specific requirements of any application. Our best just got better.*

## Key Features

### SitePro is Easy to Use

Personalized Daily Activities Toolbar

- Adjust schedules, run programs and manually start stations with a single click

Scheduling Flexibility

- Easily create and change new schedules
- Change the order and priority of programs without starting over

Quick Set Runtime Adjustments

- Make changes to groups or individual stations quickly

Extensive help features

- Each SitePro window and feature has a help function to help you optimize your system
- Help screens are formatted for printing

### SitePro Maximizes the Efficiency of Your Irrigation System

Automatic Field Change Upload & Two-Way Communication

- Automatically retrieve scheduling changes made at field satellites
- Satellites store fully flow-managed programs that run even if communication with the central computer is lost

Projected Flow optimizes your irrigation system

- See what will irrigate and when

Pump Station Monitoring makes the best use of your pump station

- Communicate with pump station(s) and automatically halt irrigation if problems are detected
- Manage multiple pump stations and optimize their efficiency

Extensive reporting capabilities let you spend your time wisely

- Assemble clear and concise management reports
- Use T.Map to create location specific work orders

T.Weather lets you react to real-time weather conditions

- Interact with weather stations to adjust watering schedules

### SitePro's Superior Graphics Let You Run Your System From the Map

T.Map interface keeps you informed and in control

- Build programs, adjust run times, initiate starts and manage syringes directly from the map
- Review system status at the station and sprinkler level

System Watch gives you an overview of the course

- Review a graphic report of holds, cancels and hardware failures such as shorted solenoid coils or satellite communication problems

### SitePro Works with All Toro Field Hardware Systems, Including GDC, LTC Plus, and VP

Three levels available to match your needs:

- SitePro SE – Up to 20 Satellites or 400 Decoder Stations
- SitePro PE – Up to 56 Satellites or 800 Decoder Stations
- SitePro CE – Up to 500 Satellites or 3,200 Decoder Stations



# SitePro Central Control System

Toro SitePro® Central Control Feature Comparison

		Toro		
		SitePro SE	SitePro PE	SitePro CE
System Capacity	Satellite Stations	480	1,344	19,200
	Decoder Stations	400	800	3,200
	Satellites	20	56	500
Programming	Programs	6,000	6,000	6,000
	Start Times	99	99	99
	Percent Adjust	■	■	■
	Site Codes		3	7
	Percent Adjust by Site Codes		■	■
	Program by Site Codes		■	■
	Deactivate by Site Code		■	■
	ET Based Runtimes	Manual Only	■	■
	Auto Rainfall Adjustment			Soil Reservoir
	Multi-Cycle Feature	■	■	■
	Program Repeat+Soak	■	■	■
General Operation	Digital Communication Protocol	■	■	■
	2400 Comm Baud Rate Max	■	■	■
	16 Wire Paths	■	■	■
	Hand-Held Radio Capable	■	■	■
	T.Weather		■	■
	Pump Station Interface		■	■
Map Capability	Programming Via Map	■	■	■
	View Heads by Program	■	■	■
	Build New Programs (w/Heads)	■	■	■
	Change Heads in Programs	■	■	■
	Measuring Length			■
	Measuring Area			■
	Watering Preview			■
	Accumulated Watering			■
	User-Selected Symbols	■	■	■
	Work Orders			■
	System Watch	■	■	■
Flow Management	Pump Stations	2	3	No Limit
	Pump Flow Ramp	■	■	■
	Flow Zones	100	300	1,024
	Station-Based Flow Management	■	■	■
	Program-Based Flow Management	■	■	■
	Electro-Flow™	■	■	■
	Management Levels	100 Branches	300 Branches	1,024 Branches
Manual Control	Program Starts	■	■	■
	Stored Multi-Manuals			■
	Syringe Normal Programs	■	■	■
	Multi Manual Station Groups			■
	Cancel All Watering	■	■	■
	Stations on Hold Report			■
	Hold with Duration 1-7 Days			■
Reporting	Scheduled Activity	■	■	■
	Projected Flow by Pump	■	■	■
	Projected Flow by Program	■	■	■
	Projected Flow by Satellite	■	■	■
	Water Use	■	■	■
	Field Programming Changes	■	■	■
	Runtime Review	■	■	■



SitePro is a registered trademark of The Toro Company. Electro-Flow, T.Map and Repeat & Soak are trademarks of The Toro Company.



**Count on it.**

Toro Irrigation Products distributed by:

Lely (UK) Ltd  
1, Station Road  
St. Neots  
Cambridgeshire  
PE19 1QH

Tel: (01480) 226800

Fax: (01480) 226881

GB Form Number: LUK200-3791

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