

Golf Decoder Control System (GDC)

GOLF CONTROL SYSTEMS

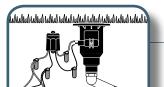
The Toro GDC uses innovative technology to provide an irrigation solution that is safe, reliable, and energy efficient. The GDC system uses aerospace technology to allow for longer wire runs, smaller gauge wire sizes, and more simultaneous valves in operation.



Water Management Highlight

With the ability to operate up to 400 stations simultaneously, GDC and SitePro are one powerful water management system. ET based runtimes and station-based flow management keep the system running at optimum efficiency, while extensive handheld radio controls allow you to effectively manage your watering while on the course.





Features & Benefits

ELIMINATE COSTS

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



STAND-ALONE OR CENTRAL CONTROL

Use it as a stand-alone system with the GDC-100/200 or connect it to SitePro® to take advantage of the most advanced features in golf central control systems.



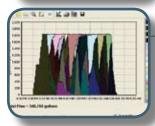
INTEGRATED SURGE PROTECTION (ISP)

Improved reliability in lightning prone areas. ISP decoders are rated at 20 KV surge protection—the highest in the industry.



UP TO 3200 STATIONS

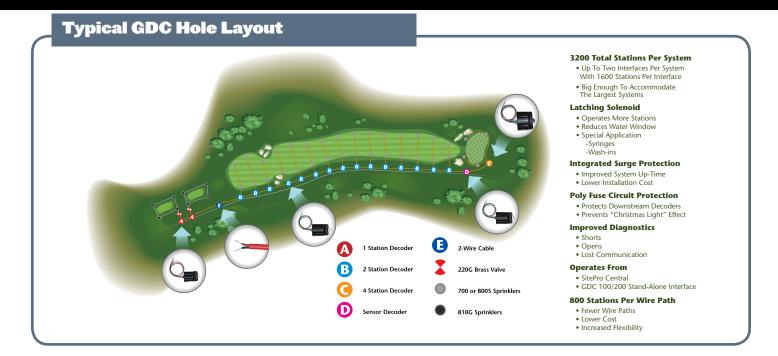
Whether you have 100, 800, or 3200 stations, the GDC system will meet your needs. Systems can be expanded by simply extending the communication wires and adding decoders.



STATION-BASED FLOW MANAGEMENT

Reduces nighttime water window and optimizes pump capacity. Central irrigation programs are available from the hand held radio for manual watering.

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Additional Specifications

- Maximum number of wire paths:
 - 8 per gateway
- Maximum stations per gateway:
- 200 on stand-alone
- 1600 on SitePro Central
- Maximum stations per system:
 - 200 on stand-alone
- 3200 on SitePro Central
- Simultaneous stations per output:
 - 20 on stand-alone
 - 100 on SitePro Central
- Maximum distance from central to decoder (using 14 gauge wire): 2.6 miles
- Maximum distance from decoder to sprinkler (using 14 gauge wire): 400 ft.
- Solenoids per output: 2 DCLS-P
- Stations per decoder: 1, 2 or 4
- Operating temperature: 32°F to 140°F (0°C to 60°C)
 Storage temperature: -22°F to 212°F (-30°C to 100°C)

Additional Features

- SitePro Central
- Mapping capabilities via T.Map®
- 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
- Rain and pressure sensors
- Decoder identification is a unique 6-character address
- Non-corrosive lockable wall mount cabinet, indoor/outdoor installation

Electrical Specifications

- Input Power:
- 100 V ac, 50/60 Hz
- 120 V ac, 50/60 Hz
- 220-240 V ac, 50/60 Hz
- Gateway output voltage: 38 V ac max
- Gateway output power: 98 VA max
- Decoder wiring: 14 gauge

Warranty

• 1 Year

Specifying Information—Decoder

DEC-ISP-XXX				
Туре	Configuration			
DEC	XX			
DEC-ISP—Decoder	1—1-station 2—2-station 4—4-station			
Example: A 2-station GDC Decoder would be specified as: DEC-ISP-2				

Specifying Information

DEC-SA-200				
Туре	Communication	Sta. Count		
DEC	SA	200		
DEC—Decoder	SA—Stand-alone	200—200 Stations		

Specifying Information—GDC System

SP-0X-X-0X					
Туре	Computer Hardware	Service	Field Hardware		
SP	OX	Х	OX		
SP—SitePro	1—Standard Computer 4—Premium Computer	1—1-year NSN 5—5-years NSN	8—GDC System		
Example: A SitePro Central standard computer with 1-year of NSN					

Example: A SitePro Central standard computer with 1-year of NSN and GDC System field hardware would be specified as: **SP-1-01-08**