TORO®

Sentinel® Central Control

- **Central Control Software**
- **PC-based**
- **ET-based Watering**

Sentinel Central Control from Toro® is a powerful system that literally "stands guard" over large irrigation sites. With the ability to control up to 999 field satellites from one location, users have a water management tool that provides reliability, accuracy and water savings.

iPhone® and iPad® Connectivity

Features & Benefits

Learn more at
toro.com

Simple To Use
Microsoft® Windows-based software – daily operations and scheduling are made quick and easy.

Features For Water Management
ET-based watering, flow sensing and optimization, water usage report with historical comparison.

Smartphone and Tablet Connectivity
The new Sentinel WMS software package also includes iPhone® and iPad® connectivity for remote programming and alerts on ALL new systems.

Multiple Communication Options
Communication options like radio, telephone, fiber optics cellular, and Ethernet can be mixed and matched to meet system requirements.

Distributed Programming
Stores irrigation programs in the computer while allowing irrigation control at the satellite level, ensuring the loss of a component does not result in the loss of irrigation across the system.

Toro NSN® Support
All centrals come with a minimum of two years of NSN support – unlimited 24-hour toll-free support with 24/7/365 emergency paging

Four Choices Of Central Packages
Software only; 2) Software and computer; 3) Software and radio communication interface; 4) Central computer, software and radio communication interface.

Water Management Highlight

Water savings – ET-based
(multiple weather station options)

Effective ET-based system management can lead to water savings of 25% to 30% per year. As an additional source of savings, pipeline breaks, malfunctioning valves, and missing heads are automatically detected and shut down, preventing excessive water loss.

Specifications

Specifications and Features

- Control up to 999 field satellites
- Group controllers into "systems" for system-wide adjustments:
  - Rain Days
  - Percent Adjust
  - ET-Adjustment from shared weather source
- Field changes to controller programs can be uploaded to computer
- Support for the System Administration
  - Set system, program and satellite descriptions
  - Map valve positions on site maps
  - Mark special dates on on-screen calendar
- Alarm reporting of any system component failure, including communications, over/under-flow conditions, electrical problems or power failure
- Extensive reporting features:
  - Run time reports
  - Water usage
  - Alarms
  - Logging of system changes
- Water use, rain and ET accumulation
- Flow optimizing to maintain optimum flow and shorten water window
- Ability to redefine valve sequence without physically changing wire terminations in field satellite
- Information overview by group and satellite
- System status indications for individual field satellite
- On-line help screens
- Map-based feedback on system status
- Standard telephone modem or internet connection allows for remote access to central software via pcAnywhere™

Warranty

- Two year extendable by continuous NSN subscription

Distributed Intelligence

Each Sentinel® controller is a fully intelligent unit with program data stored at both the field satellite and within the central computer. In the event a computer or master controller goes off line, there will be no loss of irrigation. True two-way communication allows programming changes to occur at the on-site field controller and uploaded to the central computer. Protection from unauthorized changes is ensured as the controller program can be easily compared to the program saved in the central computer.

Sentinel Central Model List

Central Software/Computer Models

Model	Description
SGIS-1-T	Software Only w/2 years of NSN Support
SGIS-1-C	Software and computer w/2 years of NSN Support
SGIS-0-1	Software, Peripheral Hardware w/2 years of NSN Support
SGIS-1-0	Software, Computer Equip, Peripheral Hardware w/2 years of NSN Support

NSN Support Extension Models

Model	Description
SSE-T-1	1-year Extension for SGIS-0-1 of SGIS-1-T
SSE-T-3	3-year Extension for SGIS-0-1 of SGIS-1-T
SSE-C-1	1-year Extension for SGIS-1-0 or SGIS-1-C (w/computer warranty)
SSE-C-3	3-year Extension for SGIS-1-0 or SGIS-1-C (w/computer warranty)

Specifying Information—Sentinel Central

SGIS-X-X	
Description	**Optional**
SGIS	**-X-X**
SGIS—Sentinel Central Control Irrigation System	1-T—Software Only w/2 Years of NSN Telephone Support for Software 1-C—Software and Computer w/2 Years of NSN Telephone Support 0-1—Software, Peripheral Hardware w/2 Years of NSN Telephone Support 1-0—Software, Computer Equipment, Peripheral Hardware w/2 Years of NSN Telephone Support (with computer warranty)

TORO®

Count on it.