

Lynx® Central Control System



Features

- Area and Hole orientation allows you to control your irrigation system the same way you think about the course
- Runtimes are executed to the second rather than rounding to the whole minute, resulting in more precise irrigation and water savings (Network VP® and OSMAC® only)
- Dynamic Drilldown enables area, hole or station views in Watering Plan and Course Report screens
- Course Report provides both real time and daily summaries of both scheduled and manual watering events. Take the guesswork out of knowing how your system performed
- Control your irrigation by setting runtime minutes or application inches and let the system calculate the other. See exactly how much water you will apply and how long you will irrigate each area.
- Turf Guard® integration helps you determine when to irrigate and how much
- Create and edit your own interactive digital map.
- Fully supports CAD-generated maps
- Integrated run time display shows past and planned irrigation activity so you can easily determine what action to take

Features (continued)

- With Quick Start, you create station, hardware and area associations, and control the definition of greens, tees, fairways and sprinklers based on their locations
- A basic hydraulic tree is auto-generated for you during Quick Start
- Instant Program has simple check-box selection and Dynamic Drilldown so you can instantly create and personalize new irrigation programs
- Projected Flow view shows you areas that will be watered and how much will be applied
- Integration with an Flowtronex® PACE™ pump station enables the exclusive Lynx Power Guard feature to track and control electricity usage of the system
- Pump station monitoring helps ensure sprinkler performance and prevent wasted water or energy
- Runtime synchronization with Network VP® satellites prevents irrigation outages if the central goes offline
- Current-sensing capabilities notify you of wire cuts and sprinklers unintentionally turned off
- Constant communication with Network VP satellites lets you take action if a power outage threatens irrigation
- GDC communication and solenoid diagnostics help identify shorts, low voltage and other issues
- Weather station integration and Hand-held Remote Interface support are included as standard features
- Operating System: Windows 7

Warranty

- One or Five Years Renewable NSN Support



New Lynx Options – There are now three distinct levels of Lynx to choose from: CE, PE and SE. Customers can choose the level and price point that fits their needs.



NSN® Connect Plus™ – Users will be able to receive text messages or e-mails from their Lynx® computer advising them of its current status via the new NSN Connect Plus remote monitoring feature.

Lynx® Mobile – Enables remote access and control of Lynx from any mobile device connected to the Internet, such as smart phones and tablets.



Screens are specifically designed and optimized for smaller devices.



Lynx Express Training – is a series of live Web based sessions on specific operations within Lynx conducted by the NSN Training Department. They last 30 to 45 minutes and are free to all Toro NSN subscribers.

toro	irritrol	baseline	k-rain	hydro rain	weather matic	netafim	sta-rite	flint & walling	munro	batrow/bigfoot
febco/conbraco	oil creek/centenn	cresline	wire/cable	spears	copper	blazing	valve boxes	murray/oetiker	lighting	american hydro
hand tools	triple d	fountains	ads/nds	contractor tools	ductile iron fitting	irrigation specs	golf products			



Turf Guard® Wireless Soil Monitoring System



Operational Features

- Sensing
 - Monitor moisture levels
 - Track salt build-up and schedule flushing.
 - Monitor daily soil temperatures
- Wireless Network - install sensors in greens, fairways, tees and other areas without having to trench or pull wires
- Base station connects to internet in the office
- Immediately ready for play after installation
- Even remote canyon courses have complete coverage due to advanced MESH routing technology
- Repeater mounts in most Toro irrigation satellite pedestals
- External repeater available for other models including non Toro pedestals
- Supports up to 500 sensors per course
- Expected sensor battery life of 3 years
- Sensor reading sent every 5 minutes
- Measures two distinct depths in the soil profile
 - Critical root zone level and a second 5" lower
- Automatic network configuration and failure recovery
- Graphical course overview displays sensor data at-a-glance
- Plots trends and compares historical and current readings
- Move quickly from course-wide averages to individual sensor readings
- With Lynx® Integration you can check course moisture, salinity and temperature readings right from your irrigation control software



Sensor



Pedestal
Repeater



Base Station

Electrical Specifications

- Input Power:
 - Repeater: <.02A @ 6 VDC
 - Base Station: <.1A @ 120 VAC, 50/60 Hz
- Sensor dimensions:
 - Body: 2 in. x 3 in. x 5 in. (5 X 7,6 x 12,7 cm)
 - Spikes: 2.5 in. x 3/16 in. (6,4 x ,48 cm)
 - Installation Hole Diameter: 4.25 in. (10,8 cm)
- Sensor temperature:
 - Operating: 0°C to 60°C (32°F to 140°F)
 - Storage: -30°C to 82°C (-22°F to 180°F)
- Sensing:
 - 0.1°F Temperature resolution
 - 0.1 % Volumetric soil moisture content resolution
 - 0.1 dS/m Soil conductivity resolution (Salinity)
- Communication:
 - Repeater Range: 5,000' (1524m) line-of-sight
 - Buried Sensor Range: 500' (152m) line-of-sight
 - 900 MHz ISM Band FHSS Communication
 - Additional licensing not required

Warranty

- One Year (NSN plans available)

OPTIONAL TURF GUARD RENTAL PROGRAM

- Administered by Toro NSN®
- Available in the following states:
 - AZ, CA, CO, FL, HI, IL, IN, IA, MA, MI, MN, MS, NE, NV, NJ, ND, OH, OR, PA, SD, TN, TX, WA, WI, WY
- Order through your local Toro distributor

Specifying Information—Turf Guard

Model	Description
TG-S2-R	Turf Guard Sensor
TG-R-INT	Repeater-Internal Mount
TG-R-EXT	Repeater-External Mount
TG-B	Base Station
TG-PS	Power Supply
TG-S2-BAT	Replacement Battery For Sensor

Note: Prices are subject to change without notice.

Network VP® Satellites



Pedestal available in standard Green, Desert Sand and Tree Bark

Features

- Station based flow management reduces nighttime water window and optimizes pump capacity.
- Variable Length (VL) communication reduces download time by up to 80%.
- Current sensing monitors each station output for proper amperage draw with user defined thresholds.
- Intuitive user interface with backlit display for better low-light viewing.
- Optional output switches and surge protection
- Multi-Manual, Program Start and Syringe manual operations
- Group Multi-Manual operation
- Sturdy plastic or painted stainless steel pedestals
- Operates as a stand-alone controller, or under the management of a central computer
 - Supports wireline or radio communications
 - Supports hybrid communication (wireline and radio) for increased flexibility and cost effectiveness.
- 64 irrigation programs: independent stand-alone and central operation
- Basic, Advanced and Grow-in programs
- Pause, Resume and Stop functions
- Supports run times from 1 second to 23 hours, 59 minutes, 59 seconds
- Percent adjust from 1% to 900% (Station, Program, Satellite)

Upgrade Kit - Network LTC® Plus to Network VP

Upgrade kits include a new timing mechanism and power distribution board and a full installation can be completed in minutes per controller.



Features (continued)

- Each output can be defined as an irrigation station or general application switch
- Non-volatile memory retains program information and satellite settings during power-off conditions. Battery back-up retains the satellite date and time
- 16-64 stations in 8-station increments – 64 programs – individual station control and the ability to run up to 32 stations simultaneously
- Backwards compatible with Network 8000 satellites.

Electrical Specifications

Input Power:

- 108 V ac to 132 V ac, 60 Hz
 - 0.20 amps (no load) 115 V ac
 - 1.20 amps (max load) 115 V ac
- 216 V ac to 264 V ac, 50 Hz
 - 0.10 amps (no load) 230 V ac
 - 0.60 amps (max load) 230 V ac

Output Power:

- 24 V ac
 - 3.0 amps (max total load)
- UL Listed

Additional Specifications

- Operating temperature: -10°C to 60°C (15°F to 140°F)
- Storage temperature: -30°C to 65°C (-22°F to 149°F)
- Humidity: 0% to 95% RH (non-condensing)

Dimensions

- Plastic Cabinet: 17" W x 40" H x 16" D (41cm W x 99cm H x 41cm D)
- Metal Cabinet: 13" W x 36" H x 13" D (33cm W x 91cm H x 33cm D)

Warranty

- One Year

Specifying Information—Network VP Satellites

201-XX-X-6-X-X					
Description	Configuration		Cabinet	Output	Options
201	XX		X	6	X
201—Network VP Satellite	16—16 Stations 32—32 Stations 48—48 Stations 64—64 Stations	24—24 Stations 40—40 Stations 56—56 Stations	P—Plastic, Green T—Desert Sand B—Tree Bark S—Stainless Steel (Painted)	6—24 VAC Electric	A—Stand-alone M—2-Way Wire Modem R—UHF Radio
0—No Options 1—Large-capacity Terminal Block w/Standard Surge 2—Large-capacity Terminal Block w/Add'l Surge 3—Large-capacity Terminal Block & Switches 4—Large-capacity Terminal Block w/Add'l Surge & Switches					
Example: When ordering a 24-station, Stand-alone VP Satellite in a plastic cabinet with large-capacity terminal block, additional surge and switches, you would specify: 201-24P6A4					

Specifying Information—Network LTC Plus Upgrade Kit

118-0038
Kit Contains
Network VP Faceplate, Network LTC Plus To Network VP Power Distribution Board, Cable And Hardware

Note: Prices are subject to change without notice.



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toro	irritrol	baseline	k-rain	hydro rain	weather matic	netafim	sta-rite	flint & walling
febco/conbraco	oil creek/centenn	cresline	wire/cable	spears	copper	blazing	valve boxes	murray/oetiker
hand tools	triple d	fountains	ads/nds	contractor tools	ductile iron fitting	irrigation specs	golf products	lighting
								munro
								american hydro
								batrow/bigfoot

E-OSMAC® and OSMAC RDR Satellites



Pedestal available in standard Green, Desert Sand and Tree Bark

Features-E-OSMAC

- Up to 64 stations
- Synthesized decoder modules that can be reprogrammed in the field - new frequency models can store up to 4 pre-programmed frequencies to transition from construction to permanent frequencies (narrow band)
- Stainless steel (painted) and bi-wall plastic cabinet configurations
- Five terminal strip options available
- Colored LED indicators to confirm 24, 9-, and 5-volt power to various boards within the cabinet
- LED's for each station output
- Simple self-testing by sliding a switch - more than eight separate functions can be verified.
- Internal antenna allows for smaller profile cabinet
- Uses automotive fuses
- Patented Hot Post for each eight-station module
- Mounts to many existing pedestal bolt patterns.

Features-OSMAC RDR

- Expandable up to 48 stations in eight-station increments
- Hydraulic or electric models available
- Runs up to 16 stations simultaneously (from the central or by remote control)
- Hand-held radio
- Multi-function radio allows control and voice transmissions from the same unit
- Programmable syringe time from 30 seconds to 128 minutes in 30-second intervals.
- Optional relay card available
- Pre-wired satellite pedestal models available without RDR control unit for upgrading existing OSMAC systems

Electrical Specifications

- Input power: 120/240 V ac, 50/60 Hz
 - **E-OSMAC**
 - * 0.20 amps, 110-120 V ac, 60 Hz (no load)
 - * 0.96 amps, 110-120 V ac, 60 Hz (max load)
 - * 0.10 amps, 220-240 V ac, 50/60 Hz (no load)
 - * 0.47 amps, 220-240 V ac, 50/60 Hz (max load)
 - **OSMAC RDR**
 - * 0.17 amps @ 115 V ac, 60 Hz (no load)
 - * 0.76 amps @ 115 V ac, 60 Hz (max load)
 - * 0.09 amps @ 230 V ac, 50 Hz (no load)
 - * 0.41 amps @ 230 V ac, 50 Hz (max load)
- Station output power: 24 V ac; 3.0 amps (72 VA) total
- Enhanced surge protection for lower operating costs
- UL and CE approved

Dimensions

- Plastic Cabinet: 17" W x 40" H x 16" D
- Metal Cabinet: 13" W x 36" H x 13" D
- OSMAC RDR Large pedestal: 16' W x 45 1/2" H x 16" D

Optional Accessories

- Wide-band frequency modules (N1551XX) for E-OSMAC or OSMAC RDR
- Low-voltage Retrofit Kit - (RDR0160LVN0) for OSMAC RDR

Warranty

- One Year

Specifying Information—OSMAC RDR Satellite

RDR-XX-P-XX-X-XX						
Description	Configuration			Cabinet	Output	Communication
RDR	XX			P	XX	X
RDR—OSMAC RDR Satellite	16—16 Stations 32—32 Stations	24—24 Stations 40—40 Stations 48—48 Stations		P—Plastic	01—Normally Open Hydraulic 6A—24 VAC Electric	P—Wide Band N—Narrow Band
When specifying a 32-station OSMAC RDR Hydraulic satellite in a plastic cabinet, normally open hydraulic output with narrow-band communication, you would specify: RDR32P01N0						

Note: FCC license required.

Specifying Information—E-OSMAC Satellites

E-XX-X-6A-X-MX					
Description	Configuration		Cabinet	Output	Communication
E	XX		X	6A	X
E—E-OSMAC Satellite	16—16 Stations 32—32 Stations 48—48 Stations 64—64 Stations	24—24 Stations 40—40 Stations 56—56 Stations	P—Plastic, Green S—Stainless Steel (Painted) T—Desert Sand B—Tree Bark	6A—Electric	N—Narrow Band P—Wide Band
Options					
MX					
0—No Options 1—Large-capacity Terminal Block w/Standard Surge 2—Large-capacity Terminal Block w/Additional Surge 3—Large-capacity Terminal Block & Switches 4—Large-capacity Terminal Block w/Additional Surge & Switches					
Example: When specifying a 32-station, E-OSMAC Satellite with Wide Band digital wireless paging, a stainless steel cabinet, electric output, additional surge protection and a large-capacity terminal block, you would specify: E-32S6APM2					

Note: FCC license required. Frequency modules do not need to be ordered separately. Product shipped with four pre-programmed synthesized frequency modules (462.2125, 462.4375, 467.2125 and 467.4375).

Note: Prices are subject to change without notice.



GDC 2-Wire Control System



Lynx™ for GDC

GDC 100/200



1, 2 and 4-station Decoders

In addition to our standard GDC decoders, Toro® offers most valve-in-head sprinkler models with an integrated decoder.

Features

- Connect to Lynx or use it as a stand-alone system with the GDC 100/200
- Station-based flow management
- Lynx® Central
 - Mapping capabilities
 - 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
- Decoder identification is a unique 6-character address
- Non-corrosive lockable wall mount cabinet, indoor/outdoor installation

Specifications

- Maximum number of wire paths:
 - 16 per gateway
- Maximum stations per gateway:
 - 200 on stand-alone
 - 1600 on Lynx Central
- Maximum stations per system:
 - 200 on stand-alone
 - 6400 on Lynx Central
- Simultaneous stations per output:
 - 20 on stand-alone
 - 100 on Lynx 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)

Electrical Specifications

- ISP decoders are rated at 20 KV surge protection—the highest in the industry.
- 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

- One Year

Specifying Information—Decoder

DEC-ISP-X	
Type	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

*Refer to sprinkler pages for specifying information on Sprinkler Decoders

Specifying Information—Stand-alone Gateway

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

Note: Prices are subject to change without notice.



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toro	irritrol	baseline	k-rain	hydro rain	weather matic	netafim	sta-rite	flint & walling	munro	batrow/bigfoot
febco/conbraco	oil creek/centenn	cresline	wire/cable	spears	copper	blazing	valve boxes	murray/oetiker	lighting	american hydro
hand tools	triple d	fountains	ads/nds	contractor tools	ductile iron fitting	irrigation specs	golf products			

Sprinkler Comparison Charts



Model	INF35-6/ INF55-6	INF35/ INF55	INF34/ INF54	FLX35-6/ FLX55-6	FLX35/ FLX55	FLX34/ FLX54
Radius	42'-100'	43'-92'	52'-99'	42'-100'	43'-92'	52'-99'
Short Radius (mainless)	25'-51'	25'-50'		25'-51'	25'-50'	
Radius Reduction Screw		X	X		Optional	Optional
Back Nozzle Capable	X	X		X	X	
Inlet Size	1" & 1½" ACME ²	1" & 1½" ACME	1" & 1½" ACME	1" & 1½" ACME	1" & 1½" ACME	1" & 1½" ACME
Turf	X	X	X	X	X	X
High Wind	X	X	X	X	X	X
GDC 2-wire Systems	X	X	X	X	X	X
Normally Open Hydraulic System				X ¹	X ¹	X ¹
Spike Guard™ Solenoid	X	X	X	X	X	X
Full Circle	X	X	X	X	X	X
Part-circle Adjustable	X	X		X	X	
Part/Full Circle in One	40°-330° & 360°	40°-330° & 360°		40°-330° & 360°	40°-330° & 360°	
Ratcheting Riser	X	X		X	X	
Check Valve				X	X	X
Effluent Water Option	X	X	X	X	X	X
Trajectory Adjustment	7°-30°	25° & 15°	25° & 15°	7°-30°	25° & 15°	25° & 15°
Nozzle Base Clutching	X	X		X	X	
SMART ACCESS® Compartment	X	X	X			
SMART ACCESS® Cover	X	X	X			
Removable Marker	X	X	X			
Pilot Valve Serviceable Under Pressure	X	X	X			
Warranty	3 Years/5 Years*	3 Years/5 Years*	3 Years/5 Years*	3 Years/5 Years*	3 Years/5 Years*	3 Years/5 Years*

*When purchased and installed with Toro Swing Joints.
X¹ - Complete sprinkler requires the purchase and assembly of riserless bodies and conversions.
² - NPT and BSP models available as riserless bodies only.

Note: Prices are subject to change without notice.

Sprinkler Comparison Charts



Model	FLEX800 B Series	T7 Rotor	690	590GF
Radius	25'-95'	Low-flow: 38'-53' High-flow: 46'-83'	87'-108'	2'-26'
Short Radius (mainless)	X	X		X
Radius Reduction Screw	Optional	X		X
Back Nozzle Capable	X			
Inlet Size	1" NPT, BSP, ACME	1" ACME	1½" NPT	½" NPT
Flow Range	7.1-56.3 gpm	Low-flow: 1.7-12.7 gpm High-flow: 6.8-30.5 gpm	51.0-82.2 gpm	.05-4.5 gpm
Recommended Operating Pressure	50-100 psi	40-100 psi	80-100 psi	20-50 psi
Turf	X	X	X	X
High Wind	X		X	
Low Pressure		X		X
Normally Open Hydraulic System			X	
Full Circle	X	X	1 and 2 Speed	X
Part-circle Adjustable	X	X		X
Part-circle Fixed			90° and 180°	X
Part/Full Circle in One	40°-330° & 360°	X		X
Ratcheting Riser	FLX35-6B/FLX35B			X
Check Valve	X	X	X	X
Effluent Water Option	X	X		X
Trajectory Adjustment	7°-30° 25° & 15°			
Warranty	3 Years/5 Years*	3 Years/5 Years*	3 Years/5 Years*	3 Years/5 Years*

*When purchased and installed with Toro Swing Joints.

toro	irritrol	baseline	k-rain	hydro rain	weather matic	netafim	sta-rite	flint & walling	munro	batrow/bigfoot
febco/conbraco	oil creek/centenn	cresline	wire/cable	spears	copper	blazing	valve boxes	murray/oetiker	lighting	american hydro
hand tools	triple d	fountains	ads/nds	contractor tools	ductile iron fitting	irrigation specs	golf products			

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Conversion Assembly Charts



830S Conversion Assembly



850S Conversion Assembly



855S Conversion Assembly



835S Conversion Assembly



855S Conversion Assembly, ribless body

1" Models	F/C	P/C	Radius	Flow	630	660	730	760	834S	860S	835S
DT34-3134	X		57'-79'	13.0-34.9 GPM	X	X	X	X	X	X	X
DT34-3537	X		76'-91'	32.2-46.9 GPM	X	X	X	X	X	X	X
834S-3134	X		55'-81'	13.7-35.4 GPM	X	X	X	X	X	X	X
834S-3537	X		69'-91'	28.2-45.3 GPM	X	X	X	X	X	X	X
DT35-3134	X	X	53'-74'	13.8-34.1 GPM			1	X	X	X	X
DT35-3537	X	X	72'-83'	34.1-47.3 GPM			1	X	X	X	X
835S-3134	X	X	52'-80'	13.7-37.0 GPM			1	X	X	X	X
835S-3537	X	X	76'-92'	32.4-45.3 GPM			1	X	X	X	X

1. Must have ribbed bodies manufactured after 1992 to use part circles (P/C).

1.5" Models	F/C	P/C	Radius	Flow	650	670	680	690	750	780	850S	880S	855S
DT54-5154	X		58'-81'	13.2-36.7 GPM	X	X	X	2	X	X	X	X	X
DT54-5558	X		79'-95'	34.2-55.4 GPM	X	X	X	2	X	X	X	X	X
DT54-59	X		96'-99'	55.6-61.8 GPM	X	X	X	2	X	X	X	X	X
854S-5154	X		61'-83'	14.0-38.0 GPM	X	X	X	2	X	X	X	X	X
854S-5558	X		71'-96'	30.3-53.2 GPM	X	X	X	2	X	X	X	X	X
854S-59	X		91'-97'	55.7-60.0 GPM	X	X	X	2	X	X	X	X	X
DT55-5154	X	X	55'-75'	14.1-34.5 GPM	3	3	3	2	3	3	X	X	X
DT55-5558	X	X	73'-90'	35.9-53.9 GPM	3	3	3	2	3	3	X	X	X
DT55-59	X	X	89'-92'	57.5-61.3 GPM	3	3	3	2	3	3	X	X	X
855S-5154	X	X	52'-80'	13.9-38.2 GPM	3	3	3	2	3	3	X	X	X
855S-5558	X	X	76'-95'	33.8-51.1 GPM	3	3	3	2	3	3	X	X	X
855S-59	X	X	96'-100'	57.0-61.1 GPM	3	3	3	2	3	3	X	X	X

2. Requires the use of conversion adapter part number 102-5011.

3. Use the ribless conversions "R" for these models dated earlier than 1992.

R Series Conversion Assemblies

For Rain Bird Eagle™ 900 & 1100 Series



Adds 1½" of
pop-up height



855RB

DT55RB

DT54RB

R Series Solenoid Adapter

The New Toro solenoid adapter allows you to easily and economically upgrade your Rain Bird® Eagle 700, 900 and 1100 Series sprinklers with the Toro Spike Guard solenoids.



SPIKEGUARD-RB

Features

- Trajectory adjustment of the main nozzle for radius reduction and obstacle avoidance
 - 24 positions from 7-30 degrees in 1 degree increments – 855RB
 - 2 positions 25 or 15 degrees - DT54RB & DT55RB
- Adjustable part/full circle or full circle only models available
 - Adjustable part circle from 40-330 degrees and true full circle - 855RB & DT55RB
 - Full circle only - DT54RB
- Ratcheting riser allows riser positioning without riser removal
- 4 main nozzle combinations included provides a wide range of radius and flow capabilities
- Largest and most flexible nozzle offering
- Radius reduction screw for radius refinement
- All nozzles threaded in from the front with no disassembly required
- Back nozzle capable (855RB & DT55RB only)
- Two additional front nozzle positions (DT54RB only)
- Riser pull up feature simplifies servicing
- Nozzle base clutching (855RB & DT55RB only) allows nozzle base movement by hand
- Effluent identifier included
- Yardage marker capable
- 3.25" pop up clears the tall grasses

Specifications

- 60-100 psi – operating pressure range
- 150 psi maximum pressure rating

Warranty

- Three Years

Features

SPIKEGUARD-RB

- 20,000 volt surge protection; 3 times the surge protection of the leading competitor. Save time and money with fewer replacements and less time digging up failed solenoids
- Half the amperage of the leading competitor; Run more heads simultaneously (if control system and available water allow) and provides improved performance in low voltage situations

Specifying Information—R Series Conversion Assemblies

Model Number	Description
855RB-5154	R Series Conversion with 855 riser assembly and low flow nozzle set #51 - #54
855RB-5558	R Series Conversion with 855 riser assembly and high flow nozzle set #55 - #58
DT55RB-5154	R Series Conversion with DT55 riser assembly and low flow nozzle set #51 - #54
DT55RB-5558	R Series Conversion with DT55 riser assembly and high flow nozzle set #55 - #58
DT54RB-5154	R Series Conversion with DT54 riser assembly and low flow nozzle set #51 - #54
DT54RB-5558	R Series Conversion with DT54 riser assembly and high flow nozzle set #55 - #58

Specifying Information—R Series Solenoid Adapters

Model Number	Description
SPIKEGUARD-RB	Toro solenoid adapter with Spike Guard™ solenoid for Rain Bird Eagle 700, 900 or 1100 Series sprinklers

Toro® has designed and manufactured this product to fit within a sprinkler housing made by Rain Bird® Corporation, but Toro's product is not manufactured by or affiliated with Rain Bird. Rain Bird is a registered trademark of Rain Bird Corporation.

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toro	irritrol	baseline	k-rain	hydro rain	weather matic	netafim	sta-rite	flint & walling
febco/conbraco	oil creek/centenn	cresline	wire/cable	spears	copper	blazing	valve boxes	murray/oetiker
hand tools	triple d	fountains	ads/nds	contractor tools	ductile iron fitting	irrigation specs	golf products	munro
								lighting
								american hydro
								batrow/bigfoot

SitePro® 7 Central Control System



Features

- Microsoft Windows® 7 compatible
- Remote access to your system anytime, anywhere with NSN® Connect.
- Run your system directly from T.Map® to view, edit and create irrigation programs. Compatible with GPS, CAD and aerial photography.
- Available Alarm/Response capabilities:
 - Reads sensors from the field
 - Logs status of sensors based on multiple "if/then" logic to generate alarms
- Automated adjustment factors allow scheduling refinement from 0-999% by station, satellite, program, group and global
- Advanced multi-manual operations for overseeding, hot spots or fertilizer wash-in for all hardware platforms
- Multi-lingual display (English, Spanish, French, German, Italian, Japanese and Chinese)
- Pump station integration
 - Connect to multiple pump stations
 - Maximize system efficiency and save energy

Warranty

- 1 Year or 5 Year renewable warranty with NSN® support agreement

Specifying Information—SitePro

SP-0X-X-0X-NB				
Type	Computer Hardware	Service	Field Hardware	Optional
SP	0X	X	0X	NB
SP—SitePro	1—Standard Computer 4—Premium Computer	1—1-year NSN 5—5-years NSN	3—Network LTC Plus	NB—Narrow-band Digital Wireless Paging

Example: When specifying a SitePro Central standard computer with one year of NSN and Network LTC Plus field hardware, you would specify: SP-01-1-03

T.Weather® with WeatherLogic® for SitePro



Features

- Provides control of on-site or off-site weather stations:
 - Phone
 - Radio
 - Wireline
- Interactive, automatic response to the SitePro central control system
- Weather station data (temperature, relative humidity, dew point, wind speed and direction) displays in real time or 24-hour periods:
- Data totals for ET, rain and the difference between them shown for the last hour, 24 hours, 7 days and 365 days
- Pause irrigation cycles according to the user-defined alarm thresholds
- Transmits the changes in alarm conditions to SitePro so it can resume irrigation again
- Weather tracking allows viewing of current data retrieved from the weather stations, or creating reports based on the past hour, day, week or year

Specifying Information—T.Weather w/WeatherLogic

Model No.	Description
997-04	T.Weather w/WeatherLogic Software

Note: Prices are subject to change without notice.

Network LTC® Plus Satellites *for use with SitePro® only*



*Pedestal available in standard
 Green, Desert Sand and Tree Bark*

Electrical Specifications

- Input power (Network LTC Plus):
 - 115/230 V ac, 50/60 Hz
 - 0.183 amps @ 115 V ac, 60 Hz (no load)
 - 0.872 amps @ 115 V ac, 60 Hz (max load)
 - 0.100 amps @ 230 V ac, 50 Hz (no load)
 - 0.50 amps @ 230 V ac, 50 Hz (max load)
- Input power (Network LTC with Electric-hydraulic Converters):
 - 115/230 V ac, 50/60 Hz
 - 0.15 amps @ 115 V ac, 60 Hz (no load)
 - 1.09 amps @ 115 V ac, 60 Hz (max load)
 - 0.15 amps @ 230 V ac, 50 Hz (no load)
 - 0.59 amps @ 230 V ac, 50 Hz (max load)
- Output power:
 - 24 V ac
 - 3.15 amps (76 VA) total

Dimensions

- Network LTC Plus Plastic Cabinet:
 17" W x 40" H x 16" D
- Network LTC Plus Stainless Steel (painted):
 13" W x 35 3/4" H x 13" D
- Network LTC with Electric-hydraulic Converters:
 16" W x 39" H x 16" D

Warranty

- 1 Year

Upgrade Kit - Network LTC® Plus to Network VP

Easy upgrade to to Network VP®. Makes your field controllers Lynx® Central System compatible.

Upgrade kits include a new timing mechanism and power distribution board and a full installation can be completed in minutes per controller.

See page 11 for ordering information.



Specifying Information—Network LTC Plus Satellites

LTCP-XX-X-6-X-X					
Configuration	Stations	Cabinet	Output	Communication	Options
LTCP	XX	X	6	X	X
LTCP—Network LTC Plus	16—16 Sta. 24—24 Sta. 32—32 Sta. 40—40 Sta. 48—48 Sta. 56—56 Sta. 64—64 Sta.	P—Plastic, Green S—Stainless Steel (Painted) T—Desert Sand B—Tree Bark	6—24 VAC Electric	A—Stand-alone M—2-Way Wire Modem R—UHF Radio	0—No Options 1—Large-capacity Terminal Block w/Standard Surge 2—Large-capacity Terminal Block w/Additional Surge 3—Large-capacity Terminal Block & Switches 4—Large-capacity Terminal Block w/Additional Surge & Switches
Example: When specifying a 64-station Network LTC Plus Satellite with a plastic cabinet, electric output with a 2-way wire modem and optional large-capacity terminal block, you would specify: LTCP64P6M1					

Note: FIUs must be ordered separately.

NOTE: Prices are subject to change without notice.



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febco/conbraco	oil creek/centenn	cresline	wire/cable	spears	copper	blazing	valve boxes	murray/oetiker	lighting	american hydro
hand tools	triple d	fountains	ads/nds	contractor tools	ductile iron fitting	irrigation specs	golf products			