The Lynx® GAC upgrade system uses modern technology to enable users of older decoder control systems to upgrade to a modern central with new field hardware. The new Lynx® compatible AC system features remote control from your smart devices, moisture sensing, sophisticated diagnostics and run time in seconds.

FEATURES & BENEFITS

Upgrade to Lynx®

All the advantages of Lynx® are available to you. A system that is intuitive and easy to install, control and use. Lynx® can be operated from your smart devices anywhere and anytime; and if you need help our NSN support is available 24/7.

Integrated Surge Protection (ISP)

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

Run time precision

Run times in seconds, not in minutes, resulting in savings of up to 35% in water and electricity usage. Apply the exact amount of water required, to the second, for improved irrigation efficiency.

Enhanced Diagnostics

Lynx® GAC empowers you to take quick, accurate actions to effectively control and manage your golf course. Built-in diagnostics automatically alert if there are any problems. The wire path check quickly confi rms that the whole system is operational.

Lynx Smart Hub

Lynx Smart Hub is a new type of field controller that adds security and programability 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

FEATURE COMPARISON CHART

FEATURES	TORO GAC	CDS	Rain Bird FD	Hunter
Stations Per Wire Path	500	112	250	250
Devices Per Wire Path	125	112	250	250
Outputs	1,2,4	1,2,3,4	1,2,4,6	1,2,4,6
Maximum 2.1 or 2.5mm² Cable Path Length	2100 m	1600 m	3000 m	2500 m
Simultaneous Stations with 2100m of 2.1 or 2.5mm² Cable	16	2	20	20
Distance from Decoder Module to Solenoid	175 m	363 m	67 m	73 m
Solenoids Per Output	2	2	2	2
Surge Protection	20 KV	6-8 KV	6-8 KV	15 KV
Wire Paths Per Interface	2	4	2	4
Solenoid Characteristics 24VAC, 60 Hz	400mA inrush, 250mA holding	400mA inrush, 200mA holding	400mA inrush, 250mA holding	400mA inrush, 250mA holding
Holding Current	40mA	300mA	20mA	45mA
Two-Way Feedback from Decoder Module	VOLTS AMPS DISTANCE	NO	NO	VOLTS AMPS

Benefits for Users of Older CDS, Rain Bird®* and Hunter®** Systems:

- ✔ Two-way communication
- ✔ More precise run times (+/- 1 second)
- ✔ Enhanced diagnostics – rapid communication check, voltage and amperage, cable length
  20KV lightning protection
- ✔ Lynx central control (all the benefits, apps, NSN®)
- ✔ 1-station fits in Toro INFINITY® Series golf sprinklers with Smart Access®

Rain Bird is a registered trademark of the Rain Bird Corporation.

*** Hunter is a registered trademark of Hunter Industries*

SPECIFICATIONS

Operational
- Enhanced diagnostics
  - Communication
  - Electrical shorts/opens
  - Voltage
  - Amperage
- Module addresses are factory programmed
- Low holding current

Installation
- Maximum number of wire paths
  - 2 per gateway
- Maximum number of gateways
  - 4 standard, 4 expansion

Electrical
- Input voltage: 100-240 VAC, 50/60 Hz
- Input current: 1.6A/1.0A (115/230)
- Output voltage: 40 VAC max
- Output power: 75 VAC max
- Class 2, SELV
- Decoders and gateways have 20KV surge protection

Temperature
- Operating temperature: 0°C to 60°C
- Storage temperature: -30°C to 60°C

Ordering Information	
Product Code	Description
DAC-RSP-1000-M	Smart Hub Green Plastic Pedestal, AC, Wireline Communication
DAC-RSP-1000-DR	Smart Hub Green Plastic Pedestal, AC, Radio Communication
DAC-RS-1000-M	Smart Hub Metal Wall Mount, AC, Wireline Communication
DAC-RS-1000-DR	Smart Hub Metal Wall Mount, AC, Radio Communication
DAC-PCS-1000	Gateway, PC-Controlled, AC, 1000-Station
DAC-PCS-1000E	Expansion AC Gateway
DAC-ISP-1	1 Station GAC Decoder
DAC-ISP-2	2 Station GAC Decoder
DAC-ISP-4	4 Station GAC Decoder
02-6461	Optic Fibre Kit for Gateway
DEC-SG-LINE	Surge Protection Device