

# DX3 | POWERED BY LAGUNA™

## CENTRAL CONTROL SYSTEM



**The NEW Rain Master® DX3™ (Powered by Laguna™ Landscape Management Software)** is loaded with features one would expect from a highly capable central control system. Laguna provides Central Irrigation Water Management; featuring Windows®\* drop down menus, visual positioning, graphical presentation, and customizable reporting. The DX3 was designed with the field installer/operator in mind and is a worthy successor to the powerful Evolution™ DX2. This new system provides functional consistency and a level of backward compatibility with past DX2 systems for efficient upgrade installations. DX3 patent-pending innovations such as the e-paper LCD display, soft key interface and “fridge light” will enhance performance and serviceability for years to come.

\*Windows is a registered trade mark of Microsoft Corp.



rainmaster.com

# RAIN MASTER®

# DX3

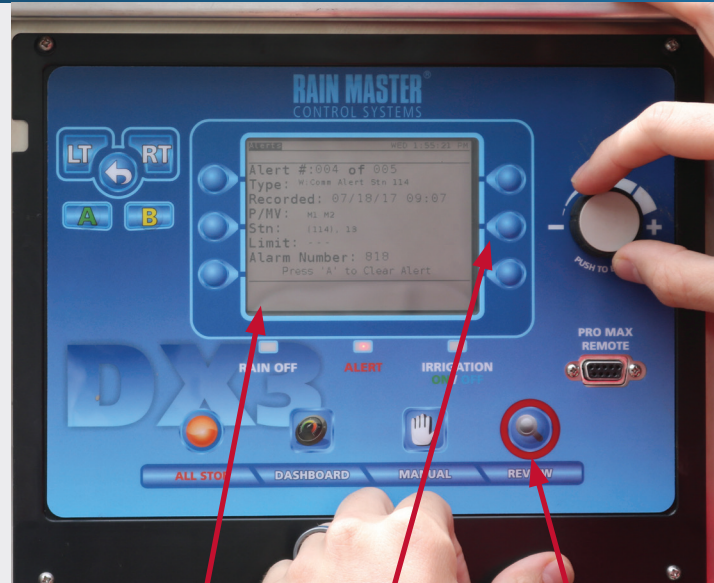
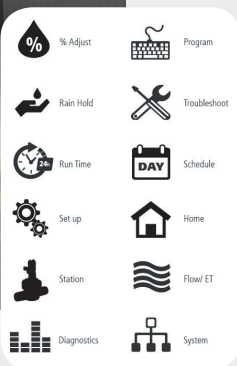
## Advanced Central Control Satellite

The Rain Master **DX3** satellite, is possibly the most advanced, easy to use controller on the market. Its "Automatic Intelligence" takes corrective action, should certain system issues arise. Thus, the water management professional is equipped with the ultimate flexibility in "smart" irrigation central control and the water management tools to maximize returns on any project.

### NOTABLE FEATURES

- 8-96 stations conventional/200 stations 2-wire
  - Hybrid option available\*
  - Built to order with many configurations to choose from
  - 16 programs + independent station control (ISC)
  - 12 start times per program
  - 2 customizable establishment programs & up to 48 "omit day(s)"
  - Dedicated port for up to 3 master valves, 3 flow sensors & 2 pumps
  - 6 auxiliary sensor ports
- 1 • "Electronic paper-style" LCD display for use in heavy sunlight, integrated LED backlight for dark conditions (superior contrast level)
  - 2 • Innovative soft keys for screen
  - 3 • Specific functions & LED "ring" indicators
  - 4 • Custom-fit clear covers for all electrical boards
  - 5 • Pivotech™ pivoting bracket for easy installation (SPED and PSB only)
    - Innovative "fridge light" cabinet illumination (see next page)
    - Nonvolatile memory
    - Industrial lightning/surge protection comes standard
    - 5-year limited warranty

\*48-Station Conventional output + 152-Station 2-wire output in SPED enclosure



- 1 "Electronic paper-style" LCD display
- 2 Soft keys
- 3 Indicator LED

### COMMUNICATION OPTIONS

- Serial (Standard)
- Ethernet (Standard)
- Ethernet-to-radio
- UHF Radio
- WiFi
- Cellular

### PIVOTECH™ PIVOTING BRACKET FOR EASY INSTALLATION



- 4 Custom-fit covers for all boards
- 5 Pivotech™ pivoting mounting brackets

## SPECIFYING INFORMATION

MODEL	ENCLOSURE	OUTPUT TYPE	STATION COUNT	COMMUNICATION OPTIONS	PRO MAX™ READY
<b>DX3</b>	<b>PWM</b> = Painted wall mount <b>SWM</b> = Stainless steel wall mount <b>PPED</b> = Plastic pedestal <b>SPED</b> = 14 gauge stainless steel pedestal <b>PSB</b> = 16 gauge stainless steel pedestal (VIT strong box) <b>DPSB</b> = 16 gauge double wide stainless steel pedestal (for conventional stations, count above 48)	<b>BLANK</b> = Conventional <b>TW</b> = 2-WIRE <b>HY</b> = Hybrid (conventional+ 2-Wire)  <i>Hybrid only available in SPED enclosure</i>	<b>08 – 48</b> = in multiples of 8  <b>DPSB Only</b> <b>56 – 96</b> = in multiples of 8  <i>No station count needed if output type is TW</i>	<b>BLANK</b> = Ethernet & hardwire <b>M8U</b> = UHF Radio <b>M8C</b> = Cellular <b>M8W</b> = Wi-Fi	<b>P</b> = PMR KIT          <i>Pro Max receiver only</i>
<p><b>Example1:</b> A 48-station DX3 with UHF radio capability in a plastic pedestal and Pro Max ready = <b>DX3-PPED48M8UP</b></p> <p><b>Example2:</b> A 2-wire DX3 with Ethernet capability in a stainless steel wall mount = <b>DX3-SWMTW</b></p> <p><b>Example3:</b> A 32-station Hybrid DX3 with Wi-Fi capability in a stainless steel pedestal and Pro Max ready = <b>DX3-SPEDHY32M8WP</b></p>					

## "FRIDGE LIGHT" CABINET ILLUMINATION\*



\*Standard in all models

## ELECTRICAL SPECIFICATIONS

- Input power: 100-120VAC, 50/60HZ
- Output power: 24VAC, 2.75 amps max total draw @ 140°F (60°C), 2.5 amps max per station/pump/master valve
- Transformer: 24VAC, 100VA
- UL, CUL & FCC approved

## DIMENSIONS

- **PWM:** H:23" W:19" D:8"
- **SWM:** H:23" W:19" D:9"
- **SPED:** H:35" W:16" D:14"
- **PSB:** H:38" W:16" D:15.5"
- **DPSB:** H:38" W:24" D:17"
- **PPED:** H:35" W:16" D:14"

## 2-WIRE DECODERS AND ACCESSORIES

Model	Description
TW-D-1	Single valve AC decoder
TW-D-2	Dual valve AC decoder
TW-D-4	Quad valve AC decoder
TW-LA-1	Lightning arrestor
TW-CAB-14	14 AWG polycoated 2-wire
TW-SPLICE-14	14 AWG water-tight splices



POWERED BY  
**LAGUNA**

**The Rain Master Laguna Central Control System,** combines innovative irrigation water management tools with proven system hardware. Laguna offers a variety of optional advanced modules that address a variety of water management challenges. VP mapping tools provide an easy way to locate and program DX3 infield controllers, weather sources and other devices using zoom features. Highlight any DX3 controller and launch programming screens, view alerts, or manually turn on stations with a click.

**NOTABLE FEATURES**

- Compatible with Evolution, Evolution DX2 and DX3 controllers
- Built to run on newer operating systems, such as Windows® 10\*
- Software updates over the internet
- Internet based mapping (Road or Aerial)
- Dynamic activity log allows operation statuses to be viewed
- Automatic scheduled tasks run as a service
- Run AIM & AET individually or simultaneously
- ET source from weather station, CIMIS or online ET data
- Simultaneous port communication for faster service
- Grid and table editing for user customization
- Customize plant & soil types, as well as flow meters
- Data migration utility available (Oasis™ to Laguna)
- Virtual Machine (VM) compatible

**ADVANCED ET AND AIM**

- Utilizes water budget scheduling method
- Provides complete water use accountability
- Irrigation schedule based on plant requirements
- Generates water usage projections
- Optimize scheduling efficiency and system performance
- Daily automatic scheduling
- Extensive system flow management
- Simple grid and table user interface
- Global programming functions

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**SPECIFYING INFORMATION**

Model	Description
LAGUNA-CENTRAL	Full Laguna Software
LAGUNA-COMPUTER	Computer System and Accessories (Laguna software not included)
LAGUNA-LITE	Full Laguna Software (15 sub-master limit and 1 weather source)
LAGUNA-SEAT-LIC	Extra Seat License for Existing Laguna User
LAGUNA-EVUPG	Upgrade to Laguna from EV2000
LAGUNALITE-EVUPG	Upgrade to Laguna Lite from EV2000 Lite
DX3-RAD-BV	DX3 Base Station Radio with Antenna
DX3-ETHER-RF-RPTR	DX3 Ethernet to Radio Base Station with Antenna
363-6818	25 Foot Serial Communication Cable (Central to Radio/Submaster)
363-6819	50 Foot Serial Communication Cable (Central to Radio/Submaster)

**Advanced ET and AIM Scheduling Engine**

Conf. Address	Name	Node	ET Mode	Current depletion	MAD	Total Runtime	ADJ. Run	Min. Soil Time	Maximum Cycle Time	Del.	AM / Advanced ET	PR	Plant	
255-00	Station 1 (255-00)		Advanced ET	20	50	00:00	00:00	00:00	00:00		40	AM and Advanced ET	3	Warr
255-00	Station 2 (255-00)		Advanced ET	40	50	00:00	00:00	00:00	00:00		30	AM and Advanced ET	3	Warr
255-00	Station 3 (255-00)		Advanced ET	30	50	00:00	00:00	00:00	00:00		80	AM and Advanced ET	3	Warr
255-00	Station 4 (255-00)		Advanced ET	20	50	00:00	00:00	00:00	00:00		80	AM and Advanced ET	3	Warr
255-00	Station 5 (255-00)		Advanced ET	60	70	00:00	00:00	00:00	00:00		75	AM and Advanced ET	2	Annual
255-00	Station 6 (255-00)		Advanced ET	50	70	00:00	00:00	00:00	00:00		65	AM and Advanced ET	2	Shrub
255-00	Station 7 (255-00)		Advanced ET	50	70	00:00	00:00	00:00	00:00		10	AM and Advanced ET	1	Shrub
255-00	Station 8 (255-00)		Advanced ET	20	50	00:00	00:00	00:00	00:00		25	AM and Advanced ET	1	Warr
255-00	Station 9 (255-00)		Advanced ET	40	50	00:00	00:00	00:00	00:00		120	AM and Advanced ET	1	Warr
255-00	Station 10 (255-00)		Advanced ET	10	70	00:00	00:00	00:00	00:00		90	AM and Advanced ET	1	Shrub
255-00	Station 11 (255-00)		Advanced ET	30	50	00:00	00:00	00:00	00:00		35	AM and Advanced ET	2	Warr
255-00	Station 12 (255-00)		Advanced ET	20	50	00:00	00:00	00:00	00:00		3	AM and Advanced ET	2	Warr

We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design and features.

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