Eagle™ Plus controller has taken internet–based Central Control and ET–Adjustment to a new level. The Eagle Plus provides greater functionality on a more intuitive interface to equip the user with the tools necessary to maximize irrigation efficiency and water savings. Designed with an ultra-fast micro processor, the Eagle Plus enhances "real time" irrigation control. The Eagle Plus comes in a variety of configurations, including multiple enclosure options.

FEATURES & BENEFITS

Convenient Mobile Access
When connected to iCentral™, the free ProMax™ Connect app offers irrigation managers access to Eagle Plus controllers from anywhere, anytime

More Connectivity
Wireless cellular communications. Faster "real time" internet access to iCentral Expanded text message Smart Alerts™

More Configurations
Up to 48 stations conventional configuration and 200 stations in 2-Wire configuration. Up to 16 programs (8 for conventional and 16 for 2-Wire)
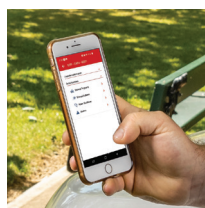
Enhanced User Interface
Intuitive operation with multi-line LCD backlit display and simple multi-function input knob, plus more diagnostic tools

iCentral Compatible for Full Internet Control
Connect and manage irrigation remotely through iCentral and its capabilities

Flow Sensing and Control
Monitors system flow and responds to upper, lower, unscheduled and no flow conditions

Notable Features

- Available stations: 8,16, 24, 32, 40, 48 conventional & 200 with 2-wire module
- Plastic wall mount available stations: 8, 16, 24, 32, 40 Conventional & 200 with 2-Wire module
- 8 programs with conventional and 16 program with 2-wire
- 8 start times per program for both conventional and 2-wire programs
- NVM (Non Volatile Memory) – No batteries required
- ET-based scheduling with various options
- Stainless steel enclosures and pedestals
- Self diagnostic and monitoring
- Flow sensing
- Cycle & soak
- Odd/Even day watering
- Rain sensor input
- Lightning/surge protection is standard
- No central software required

iCentral™ with Eagle™ Plus Features

- Multi-level Auto Scheduler options maximize water savings
- ET calculations based upon Irrigation Association accepted standards
- ET scheduling utilizes industry accepted water budget methodology
- 24/7 365 days ET synchronization with ZipET™
- Secured wireless two-way communication
- Flow reports, daily ET information, built-in performance tools
- Smart Alerts™ Provide
  - Automated system alerts via email or text messaging
  - Automatic or manual rain shut off alerts
  - Automatic field wire fault protection and detection alerts

Models

Model	Description
EGP8-PLAST	8-station expandable to 40 stations, plastic wall mount
EGP8	8-station expandable to 48 stations, coated steel wall mount
EGP8-S	8-station expandable to 48 stations, stainless steel wall mount
EGP8-SPED	8-station expandable to 48 stations, stainless steel security pedestal*
EGP8-PSB	8-station expandable to 48 stations, VIT Strong Box stainless steel security pedestal*
EGP8-PPED	8-station expandable to 48 stations, plastic pedestal
EGP8-OPB	8-station expansion module
EGP-TW-PLAST	2-wire, plastic wall mount
EGP-TW	2-wire, coated steel wall mount
EGP-TW-S	2-wire, stainless steel wall mount
EGP-TW-SPED	2-wire, stainless steel security pedestal*
EGP-TW-PSB	2-wire, VIT Strong Box stainless steel security pedestal*
EGP-TW-PPED	2-wire, plastic pedestal
5Y-EXT-WARRANTY	5 Year Extended Warranty

*All SPED and PSB controllers are built to order in Riverside, CA.
Please allow up to 10 days for delivery

SPECIFICATIONS

Electrical

- Input power required: 120 VAC ± 10%, 50/60 Hz
- Output power required: 24 VAC ± 10%, 50/60 Hz, 50 VA
- Total max load: 1.5 A @ 24 VAC, .5A @ 24 VAC per station
- PLAST input power required: 115 VAC + 10%, 50/60 Hz
- PLAST total max load: 1.3A @ 24 VAC, .5A @ 24 VAC per station
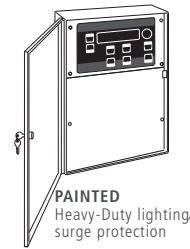- UL, CUL, and FCC approved

Dimensions

- Wall Mount: H:10¾", W:9¾", D:5¾"
- SPED: H:35", W:16", D:14"
- PSB: H:38", W:16", D:15.5"
- PPED: H: 35", W: 16", D: 14"
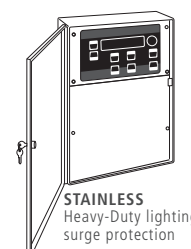- PLAST H: 15.3", W:15.5", D:6.4"

Operating Specifications

- Operational Temp: 14° F to 140° F (-10° C to 60° C)
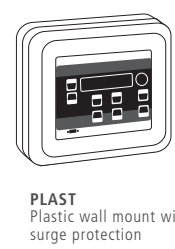- Storage Temp: -22° F to 149° F (-30° C to 65° C)

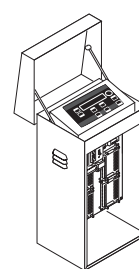## Commercial-Grade Enclosures

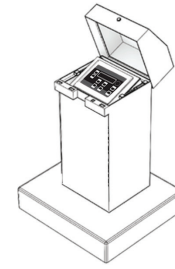**PAINTED**
Heavy-Duty lighting/ surge protection

STAINLESS
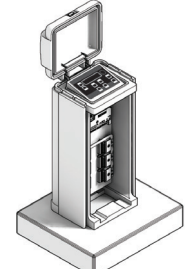Heavy-Duty lighting/ surge protection

PLAST
Plastic wall mount with surge protection

SPED
14 gauge stainless steel security pedestal with surge protection

PSB
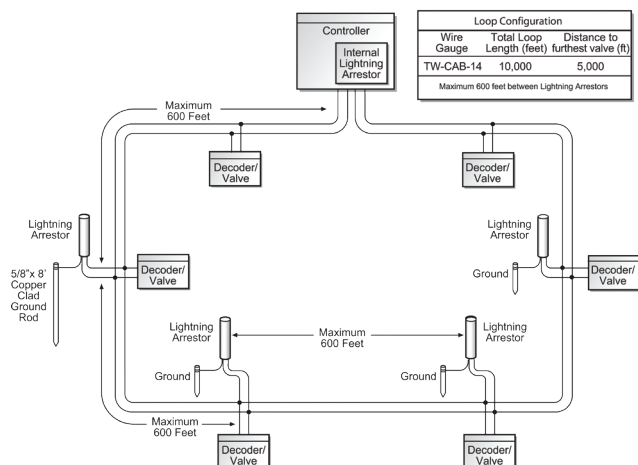16 gauge stainless steel security pedestal with surge protection
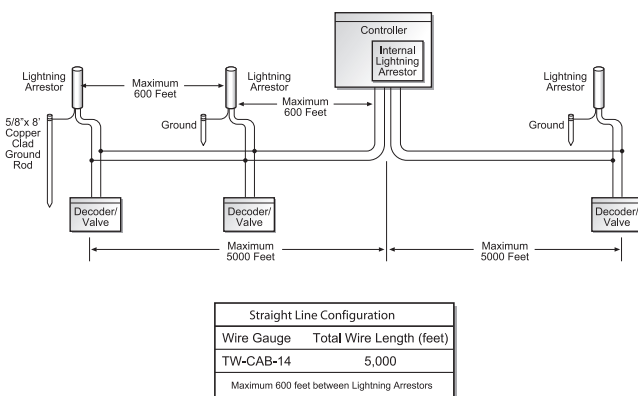
PPED
Plastic pedestal with surge protection

Optional Accessories

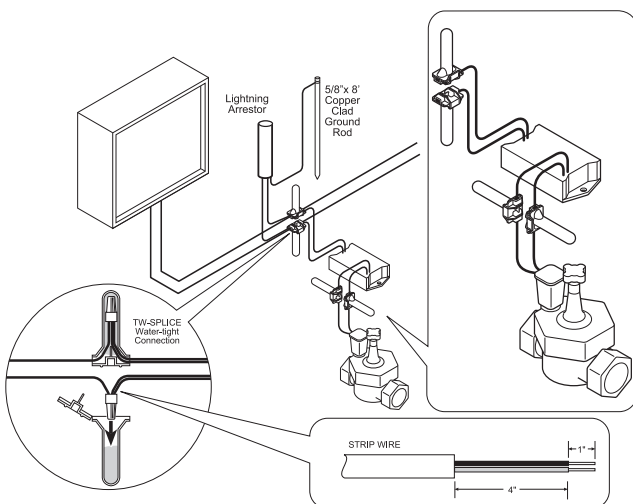| Model	Description
EGP-ICENTRAL	Eagle Plus Cellular communication kit with 60-months of iCentral service
EGP-ICENTRAL-P	Eagle Plus Cellular communication kit with 60-months of iCentral service, for plastic cabinets
EGP-ETHER	Eagle Plus Ethernet communication kit with 60-months of iCentral service
RMI-ISVC-5Y	Additional 60-months of iCentral service, for Cellular
RMI-ISVCETHR-5Y	Additional 60-months of iCentral service, for Ethernet
PMRKIT	Permanent mount receiver kit for use with ProMax™ remote
PMRKIT-P	Permanent mount receiver kit for use with ProMax™ remote, for plastic cabinets

Loop Configuration		
Wire Gauge	Total Loop Length (feet)	Distance to furthest valve (ft)
TW-CAB-14	10,000	5,000
Maximum 600 feet between Lightning Arrestors		

Loop Configuration

Straight Line Configuration	
Wire Gauge	Total Wire Length (feet)
TW-CAB-14	5,000
Maximum 600 feet between Lightning Arrestors	

Straight Line Configuration

Wire Connection Detail

EAGLE™ PLUS 2-WIRE

TWICE™ 2-Wire

Unlike some other 2-wire systems, Twice protocol provides a 2-way communication link between the controller, decoders and valves.

- Provides 200 station two-wire capability
  (100 decoders max.)
- Intelligent "Plug-n-Play" modular design

TWICE 2-Wire Decoders

- Easy-to-read LED status indication for every command
- LED also displays valve activation and diagnostic reporting
- Troubleshooting capabilities:
  - LED decoder "active" indication
  - LED valve power "on" indication
  - Two-way communication verification
- Each decoder has unique address
- Decoders will automatically shut off if communication is lost
- A short automatically shuts down any valve
- Valves can be operated up to 100' radius of the decoder

Models

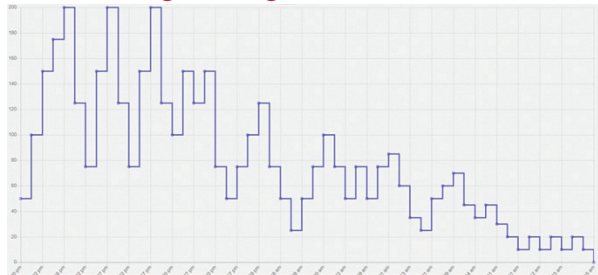| Model	Description
TW-D-1	1-station AC decoder
TW-D-2	2-station AC decoder
TW-D-4	4-station AC decoder
TW-LA-1	AC in-line surge protection
TW-CAB-14	14 AWG polycoated 2-wire
TW-SPLICE-14	14 AWG water-tight splices
TW-PROG	Portable decoder programmer

iCENTRAL™

The patented iCentral is the first, most comprehensive and affordable web based water management system. It allows wireless central control for one or more Eagle™ Plus irrigation "field" controllers. The iCentral website utilizes reliable 2-way wireless communication from the internet to interface with each field controller and provides alert notifications for a variety of system conditions. An entire irrigation system, no matter how large, can be managed through iCentral.

Notable Features

✔ Automatic Irrigation Scheduler (AIS) determines the optimal irrigation schedule based on seasonal, site-specific parameters: irrigation efficiency, soil texture, plant type, slope, precipitation, etc.

✔ Flow Managed Irrigation (FMI) calculates irrigation schedules based on available flow and water window.

✔ Designed as a Progressive Web Application (Web App) for a better mobile experience.

✔ Intelli-Sync™ – Intelligent synchronization monitors changes made at the controller and allows the iCentral operator to accept or reject the entry.

✔ ZipET Just enter the local zip code once, and local weather information is automatically sent to each controller every day.

✔ **Full mobile** compatibility with smart phones and tablets.

✔ Smart Alerts™ are sent by iCentral for all field alarms generated when a "fault" occurs; text messages are sent to cell phone and/or email address.

✔ Automatic initiation of "rain shutdown" to all controllers if iCentral determines that precipitation in a designated area necessitates a shutdown.

✔ Automatically modifies irrigation schedules based upon daily ET, as well as plant watering requirements.

✔ Variety of reports are available to show online and field activity, permitting detailed analysis of your system's efficiency.

Flow Managed Irrigation (FMI)**

** Graphs may vary as they are based on available flow, water window and programming constraints.
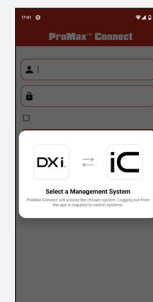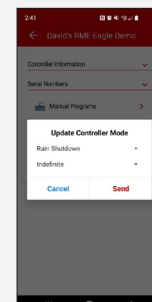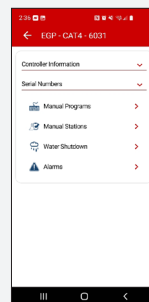
PROMAX™ Connect

The ProMax Connect App is a free cloud-based maintenance remote tool that allows users to operate stations and programs. With a simple and user-friendly interface, troubleshooting field issues can be performed with ease from your mobile device. ProMax Connect is available for download on the Google™ Play Store and Apple® App Store®.

Additional Features

✔ Valid Program Activation

✔ Single or Multi-Station Activation

✔ Rain Hold Management

✔ Monitor and Manage Alerts

✔ View Local Weather in Real Time

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