RME Eagle™

RME Eagle-i™

RAIN MASTER

RME Eagle™ & RME Eagle-i™

Visionary Solutions To Water Management Through Technology

The Rain Master Eagle combines classic controller programming with cutting edge features, including optional Internet iCentral™ control. Connection to the Internet is as easy as adding the optional iCentral Communication Kit that provide access to all the iCentral control features such as; Automatic Scheduling, Intelli-Sync™, ZipET™ Smart Alerts™ and remote Rain Shutdown.

Optimized for simplicity, the Eagle is ideal for use by ground maintenance personnel and landscape managers that require a fully automated, "Smart" ET, weather based, irrigation controller.
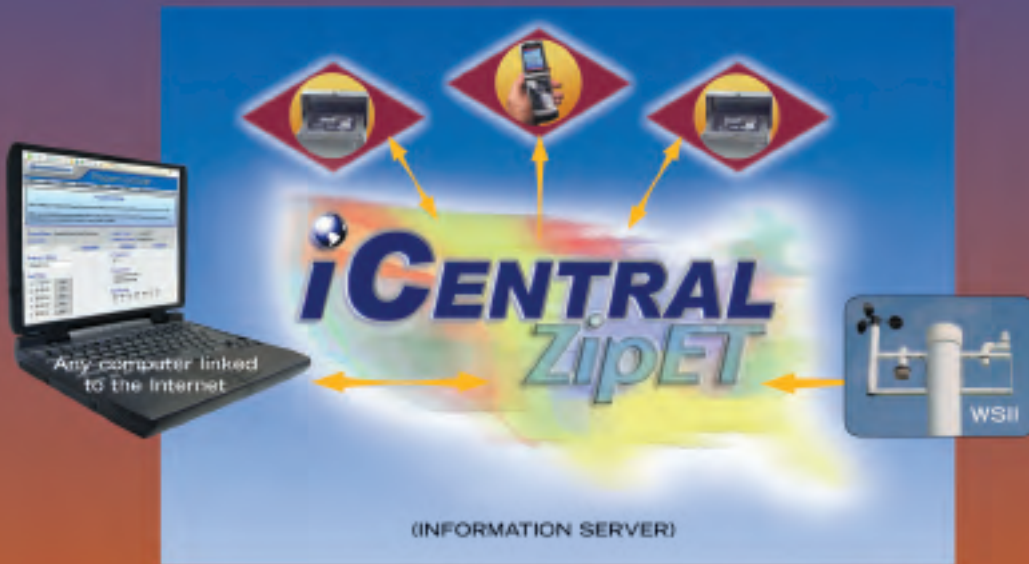
- Automatic ET Schedule adjustments

- Cycle-and-Soak or conventional programming

- Direct Flow Sensing protects against broken heads and main lines

- Valve wiring faults detected

- Optional Internet Control

Above: RME36EG shown with ProMax Remote Control and FS-200, 2" Flow Sensor

Left: RME24EG Stainless Steel Pedestal

1. Program online via Internet or at the field site
2. Central control for any budget
3. Secure two-way wireless communications
4. Automatic or manual rain shutdown and ET adjustments
5. Instant notification of sensor or alarm conditions via Web, e-mail, or both
6. No software to purchase, no weather stations, no training

Standard Programming Capability

- Four (4) independently controllable irrigation programs, with five(5) selectable start times, for a total of 20 possible irrigation cycles per day.
- Water Days for each program can be based on a Seven-Day Cycle, a Skip-By-Day Cycle or Odd/Even Water Days.
- Programmable Master Valve to utilize and control a Master Valve on a per program basis.
- Configurable Master Valve Type to select either a Normally Open Master Valve or a Normally Closed Master Valve.
- Programmable pump independent of the Master Valve on a per program basis.
- Programmable Stacking or Non-Stacking operation of the programs.

Water Conservation Features

- Evapotranspiration (ET) based scheduling.
- Flow sensing and control.
- Percentage adjustment on a per program basis to allow an increase or decrease of all station runtimes within that program.
- Programmable ?Rain Shut Off in order to delay the start of irrigation after a rain storm.
- Manual Rain Switch (Automatic Watering – No Watering).
- Connectivity for any one of the following: rain, moisture, or freeze sensor device.
- Selectable Cycle and Soak irrigation programming or conventional programming on a per-program basis.

Convenience Features

- Easy to understand and use keyboard layout, provides ease of use during programming and review.
- During program execution the controller displays the executing program number, the flow in GPM, and the station runtime countdown in hours, minutes and seconds.

- Programmable Controller Security Access code to prevent unauthorized use or modifications to the controller's programs.

Diagnostic and Fault Detection

- Automatic field wire fault detection enables the controller to sense a short in the field wire and instantly turn off that station.
- Non-volatile memory to retain the program(s) and controller information during power outages or seasonal shut downs.
- Intelligent resumption of program execution after power outages to ensure that program starts are not lost.

Flow Capabilities

- Automatic detection of main line water breaks.
- Automatic detection of unscheduled or no flow water conditions.
- Automatic high flow station alarm.
- Controller utilizes automatic LEARN mode for setting individual station flow limits
- Intelligent flow-limit processing for concurrent station operation.
- A water usage meter indicates total water used by the controller.

EVAPOTRANSPIRATION (ET) FEATURES OF THE RME EAGLE

ET Operations

- The ability to input and store Historical ET data on a monthly basis (12 months).
- The ability to use any one of four different ET sources as the basis for its ET calculations:
  1. Historical ET data
  2. Manually entered ET data
  3. Rain Master ET measurement device or equivalent

  4. Downloaded ET data from the Internet(requires optional hardware)
- The ability to automatically re-compute the user entered station runtime, at the moment of irrigation, utilizing the current ET information.
- Accept a manual operator entered weekly ET value.
- Ability to display the current adjusted runtime as a percent of the base runtime for all ET enabled programs.

Available RME Eagle Options

- Available in 6, 12, 18, 24, 30 and 36 stations.
- Ability to connect to a Rain Master Communications card (iCentral Card) to provide connectivity to the Internet.
- Ability to interface to a Rain Master Weather Station for direct ET measurements.
- Ability to connect to a Rain Master Flow sensor or other flow sensor devices.
- Built-in remote control capability for compatibility with all Rain Master remote control systems.
- Availability in a variety of enclosure options.
- All extended size enclosures are available with optional heavy duty lightning protection.
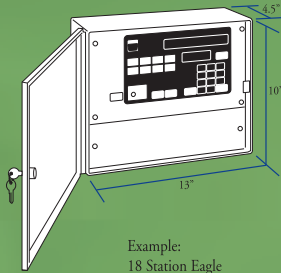
General

- UL, C-UL, and FCC approved
- Input power required: 105-130 VAC, 50/60 Hz, 5 Amp maximum, 1 Amp idle
- Output Power required: 24 VAC, 1.5 Amps maximum total output or (36 VA) 1 Amp per station or Master Valve
- Limited 5-year warranty

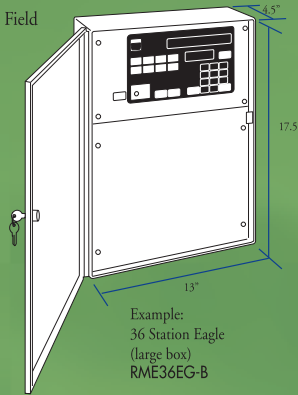# RME Eagle Series Options

EG Series

Standard

4.5"
10"
13"

Example:
18 Station Eagle
RME18EG

EG-B (painted) Series
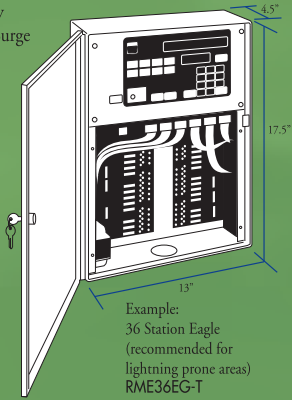## EG-SB (stainless) Series

Expanded Size Field
Wiring Cavity

4.5"
17.5"
13"

Example:
36 Station Eagle
(large box)
RME36EG-B

EG-T Series

Heavy-Duty
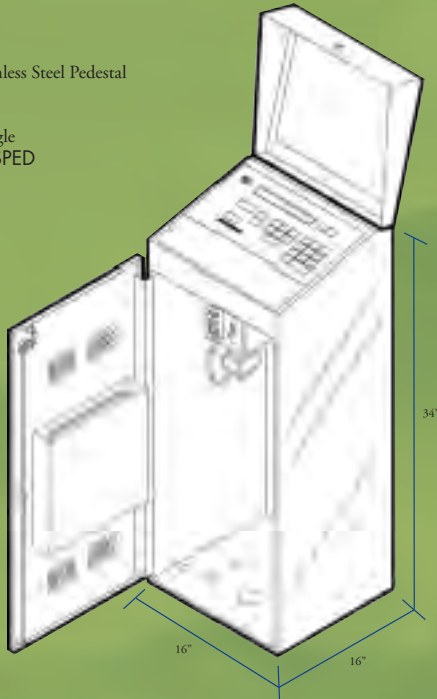Lightning/Surge
Protection

4.5"
17.5"
13"

Example:
36 Station Eagle
(recommended for
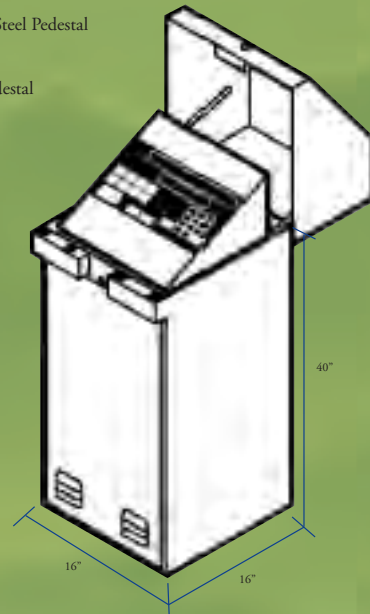lightning prone areas)
RME36EG-T

SPED

18 gauge Stainless Steel Pedestal

Example:
24 Station Eagle
RME24EG-SPED

34"
16"
16"

UPED

16 gauge Stainless Steel Pedestal

Example:
24 Station Steel Pedestal
RME24EG-UPED

4.5"
40"
16"
16"

*UPED Pedestals are limited to select distribution channels, please consult
factory for availability in your area..

RAIN MASTER

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