

# RME **SENTAR II**



**Setting the Standard  
with Classic Performance**

[www.rainmaster.com](http://www.rainmaster.com)

# RME SENTAR II

Throughout history, the vision of what could be, and what should be, has provided the inspiration to bring tomorrow back to today. The visionary engineers at Rain Master have looked beyond the horizon and have developed the RME SENTAR II, truly an inspired controller for the irrigation industry.

With enhanced flexibility and new features, the RME SENTAR II is designed to conserve water and protect landscapes by offering full flow sensing control as well as Cycle and Soak programming. It is designed to keep you in control ... and control is everything!

Filled with features and built with lasting reliability to provide a lifetime of performance, the RME SENTAR II is so simple to use and program, you shouldn't settle for anything less.



*Above: RME36SE-ST*

# No Other Controller In This Price Range Can Offer These Features

## Just add a Rain Master Flow Sensor to the Sentar II to achieve total flow control.

- Main line break detection.
- Unscheduled flow detection.
- Station upper limit flow detection with programmable individual limits.
- Totalizer feature for tracking water usage in gallons for specific time periods.
- View/monitor measured station flow in GPM.
- Programmable flow check delay of 1 to 6 minutes.
- Flow “learn” mode for establishing station limits automatically.
- Upper station limits can be set globally by percentage.
- Select either a normally open or normally closed master valve.



## Only the Sentar II provides true Cycle and Soak to eliminate runoff and conserve water.

- Select Cycle-and-Soak or conventional programming on a per program basis.
- Set total “Run Time”, “Max Cycle Time” and “Soak Time” per station.
- Display Total Run Time per program which considers all soak delays, water budget percentage and interstation delays.
- Quick Station support for Cycle-and-Soak.

## Programming Capability

- Four independent programs with five start times each.

- Select 1 minute to 9 hours 59 minutes watering time per zone.
- Water days based on 7 day or Skip-by-Day, with up to 30 days between watering.
- Water budgeting by increasing or decreasing station run times in 1% increments from 0% to 300% per program.
- Select usage of a Master Valve on a per program basis.
- Select usage of a Pump on a per program basis.
- Programmable overlap protection allows programs to run in a “Stacked Mode” or concurrently.
- Programmable time delay between stations allows delay from 1 second to 255 seconds (4 minutes, 15 seconds) to allow slow closing valves to completely shut off.
- Programmable Rain Shut Down allows the selection of the number of days the controller will stay off (in rain shut down mode) before it goes back to Automatic watering mode.
- Rain/freeze sensor may be used to turn on or off any one of the 4 programs.
- Programmable security codes.

## Reliability/Maintenance

- Non-volatile memory holds the programs indefinitely during outages or shutdowns.
- A “Real Time” clock holds the actual time during power outages without batteries.
- Automatic resumption of any program in progress upon power restoration.
- No batteries to replace, ever.
- Electronic overload protection with automatic reset (no fuses or circuit breakers)
- Automatic Field Wire Fault Detection senses shorts, shuts down stations, reports faults, and moves to the next programmed station.
- Audible and visual alarm notification for station faults.
- View status of Rain Sensor (wet or dry) in the display.
- Specialized controller power supervisor circuit prevents lockups due to power surges and brownouts.
- Built-in Test Mode.
- Heavy-duty membrane keypad offers visual and audio feedback with each key depression.
- Extra heavy-duty lightning and surge protection models available.

- 18-gauge steel housing with powder coated polyurethane finish. Also available in stainless steel (larger enclosures only).

## Ease of Use

- Quick Station Capability allows simultaneous programming of blocks of stations with the same run times.
- Program review with manual stop and go scrolling.
- Manual Rain Shut-Off switch.



- LEDs provide instant identification of station activity, including watering days, station programming and field fault identification at the press of a button.
- Manually-activated program cycle allows the running of a program independent of its programmed start time and water days.
- Detachable harness connectors allow for quick access to the front panel without disconnecting field wires.

## Pro Max Compatibility

- The tough, affordable Pro Max Remote is simple and easy to use.
- Plug and play ready.
- Advanced features when used with Sentar II.
- Internal permanent mount receiver option.

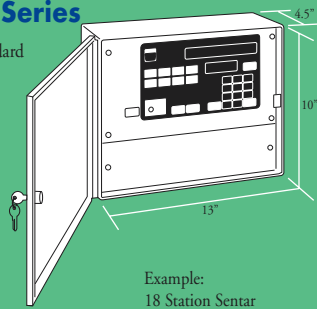
## Certification and Warranty

- UL, C-UL, and FCC approved.
- Limited 5-year warranty.

## RME Series Options

### SE Series

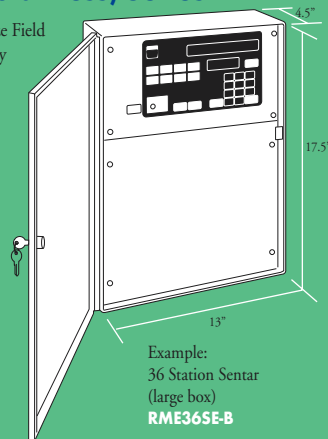
Standard



Example:  
18 Station Sentar  
**RME18SE**

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

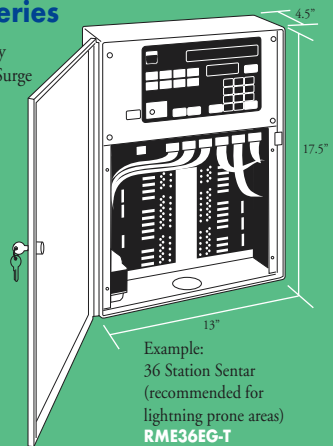
Expanded Size Field  
Wiring Cavity



Example:  
36 Station Sentar  
(large box)  
**RME36SE-B**

### SE-T Series

Heavy-Duty  
Lightning/Surge  
Protection

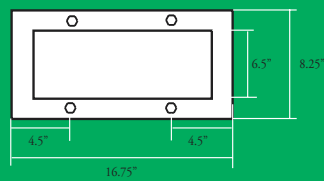
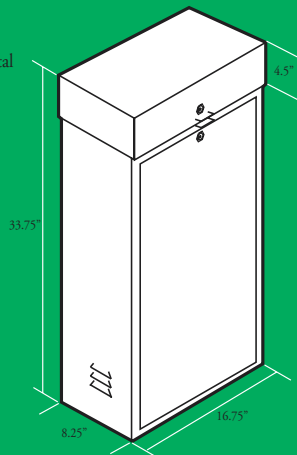


Example:  
36 Station Sentar  
(recommended for  
lightning prone areas)  
**RME36EG-T**

### SP Series

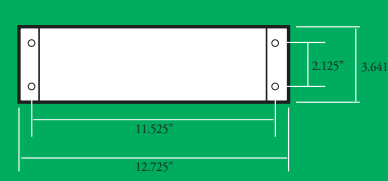
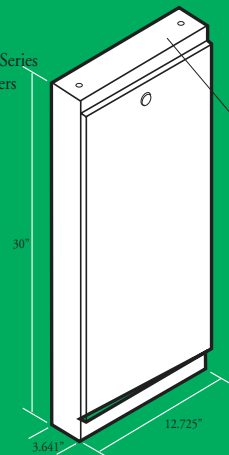
Stainless Steel Pedestal

Example:  
24 station Sentar II  
**RME24SE-SP**



### RMPED-1

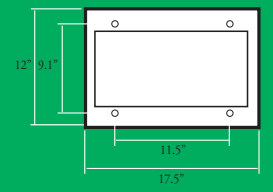
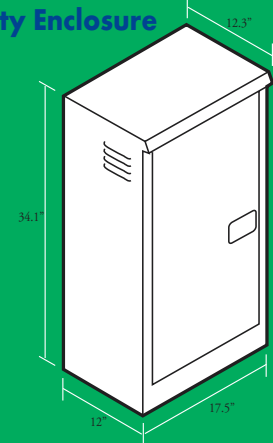
Pedestal for RME Series  
Outdoor Controllers



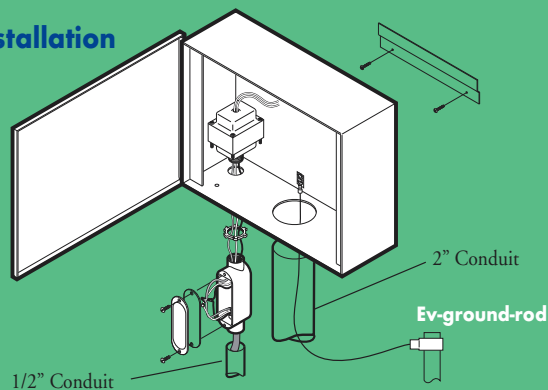
### COOL-1 Security Enclosure

Accommodates up to  
two Standard Series or  
one SE-B/SE-T Series

Controller  
Mounts Here



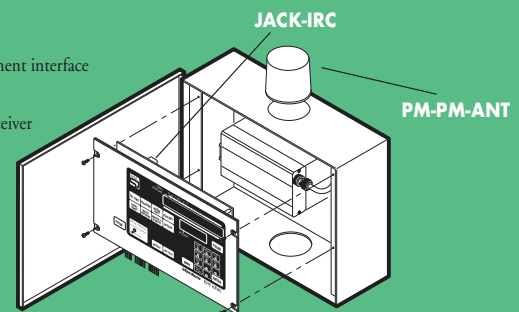
### Installation



### Permanent Mount Pro Max Receiver

Requires:

- JACK-IRC**
  - Factory installed permanent interface
- PM-PMRKIT**
  - Permanent mounted receiver
  - Antenna PM-PM-ANT
  - All cables/hardware



### Electrical Specifications

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

### General Specifications

- 5 year limited warranty
- 18 gauge steel housing with powder coated polyurethane finish.  
Stainless steel enclosures available. (Larger sizes and pedestal only).
- RMIS Part no. 500612 Rev. A

Rain Master is a technology-based, innovative,  
environmentally sensitive company dedicated to providing  
water management solutions to the irrigation industry.



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Lit. No. 500612 Rev. A