

# WEATHER CENTER

**WIRED OR WIRELESS  
TECHNOLOGY**



**A**s water resources become more critical, the demand for “weather-based” control of irrigation systems has increased significantly. Therefore, an “onsite” weather center is the preferred means of weather monitoring, as it provides the ability to access the specifics of the local “microclimate” being irrigated.

## KEY FEATURES & BENEFITS

### **HIGHLY ACCURATE**

Accurately measures wind, rain, temperature, solar radiation, relative humidity and computes ET in increments of .01 inch

### **LOW MAINTENANCE**

All electronic weather station design promotes very low maintenance

### **NON VOLATILE MEMORY**

Retains configuration and weather data should loss of power occur

### **TRACKS WEATHER EVERY SECOND**

Weather computer scans sensors and recalculates weather changes every second.

### **SOLAR POWERED**

One full week of power without sunlight (Wireless only)

### **EASY TROUBLESHOOTING**

Diagnostic port and weather computer LED's for system troubleshooting.

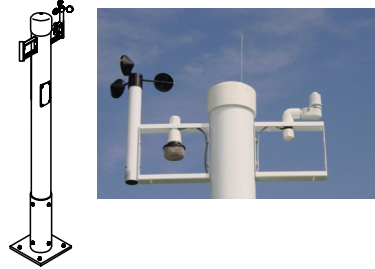
## WIRED

### FOR USE WITH RAIN MASTER® EAGLE & EAGLE-I ET CONTROLLERS

RM-WETHR-ETRS - ET Weather Center Provides real-time onsite Evapotranspiration data.

Includes:

- 10-foot tall vandal-resistant tower
- Mounting brackets
- Transformer
- Hardware
- Rain Switch

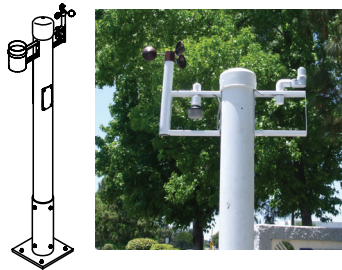


### FOR USE WITH RAIN MASTER OASIS CENTRAL CONTROL SYSTEM AND RAIN MASTER DX2 CONTROLLERS

EV-WETHR-CENTR2 - DX2 Weather Center II

Includes:

- Tipping Bucket Rain Gauge
- Relative Humidity/Temperature Sensor
- Solar Radiation Sensor
- Wind Speed Sensor
- 10-foot vandal-resistant tower
- Mounting brackets
- Weather computer
- Transformer
- Hardware



## WIRELESS

### FOR USE WITH RAIN MASTER OASIS CENTRAL SYSTEM

O-VWETHR-CNTR – Wireless technology eliminates the need for wires between the Central and the Weather Center.

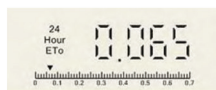
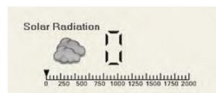
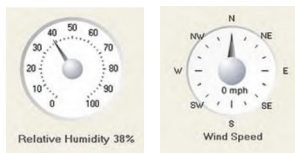
Includes all items listed above plus:

- WEATHER VIEW™ - Visually Illustrated Existing Weather
- Requires Zip Code for installation site

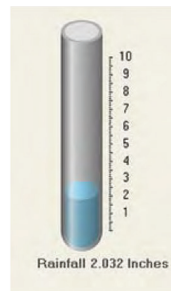
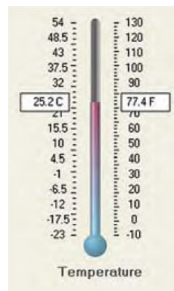


### Weather VIEW

(Virtually Illustrated Existing Weather)



### Rain Master Oasis Central only



## SPECIFICATIONS

### ELECTRICAL

- Electrical Interface – pulsed signal output in increments of .01" of evaporation, Wind speed in meters in Real-Time per second and rain fall in .01"
- Power requirements: External plug-in transformer (included).
- Input Power: 110V ac converted to 12V dc @ 0.2 mA maximum.

### SENSORS

- Solar Radiation sensor: scanned and output every second.
- Temperature Sensor: scanned and output every second.
- Relative Humidity Sensor: scanned and output every second.
- Rain Gauge: Detects in increments of .01 inches
- Wind Speed: Scanned and output every second.
- ET Data Output: Calculated every 10 seconds, logged every 10 minutes.

### DIMENSIONS

- Weather Pole: H: 10' W: 29" D: 4"
- Weather Computer: H: 5.5" W: 2" D: 3"

### TEMPERATURE

- Operating Temperature: -40 to 122° F (-40 to 50° C)
- Storage Temperature: -40 to 151° F (-40 to 66° C)