

Chapter 7

System Status

There are four System Status options:

- **COMM STATUS** is used by Rain Master Irrigation Systems (RMIS) field service personnel for diagnostic purposes when the controller is connected to a RMIS Central Control System.
- Select **MEASUREMENTS** to review flow, current, EvapoTranspiration (ET), wind and rain.
- Select **WATER TOTAL** to review the total water consumption for the current and past month.
- Select **REVIEW ALL** to review all settings for all programs.

The System Status screen is available through the following menus:

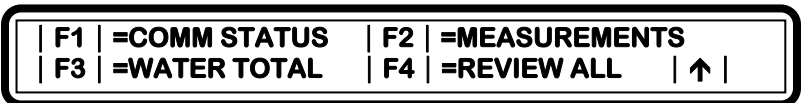
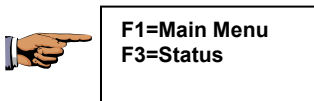
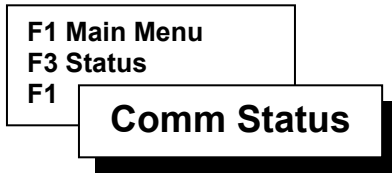


Figure 103: System Status Options

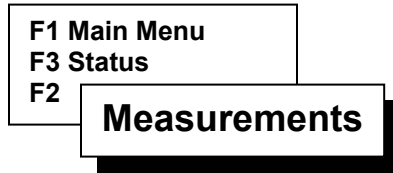


Comm Status

Communication Status is used by Rain Master Irrigation Systems (RMIS) field service personnel for diagnostic purposes.



Figure 104: Comm Status



Measurements

Use Measurements to review flow, current, EvapoTranspiration (ET), wind and rain.

There are five options.

DYNAMIC DISPLAY:

- Select FLOW METER to view the flow meter readings.
- Select CURRENT METER to view the current measurements.
- Select MOISTURE SENSOR READINGS to view moisture sensor readings.

Note: *Use of moisture sensors are no longer supported by Rain Master Irrigation Systems.*

- Select RAIN/WIND to view instantaneous wind and rainfall.

STATIC DISPLAY:

- Select ET to view the current day's EvapoTranspiration.

Note: *DYNAMIC DISPLAY indicates that the information is updated continuously in the display.*

STATIC DISPLAY *indicates that the display is only updated once (upon initial entry to the function).*

Measurements Procedure

Step 1 Advance to the Measurements Option screen as follows:

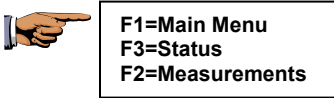


Figure 105: Measurements Option

Step 2 Select F1= FLOW. The real time readings for flow meters 1 and 2 are shown in Gallons Per Minute (GPM). The total for both meters is also shown. The display is updated every 10 seconds.

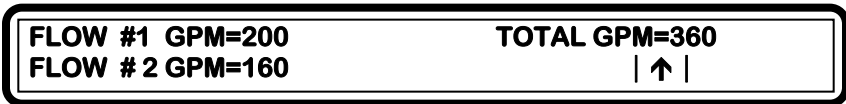


Figure 106: Flow Meter Measurements

Note: If the Flow Max feature has been set up and the controller operates as a Submaster, the display will contain additional information as described in Appendix E: Flow Max.

Return to Measurement Option screen using the Up Arrow key.

Step 3 Select F2=CURRENT. The current meter shows the electrical current in amps being drawn by active stations including the master valve and pump (The measurement is the sum of all field valve solenoids which are on).

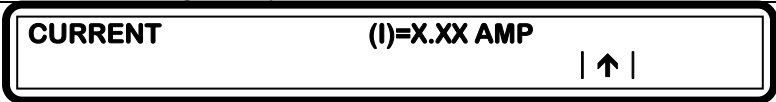


Figure 107: Current Meter Measurements

Press the Up Arrow to return to the Measurement Options screen.

Step 4 Select F3=Moisture.

Note: Use of moisture sensors are no longer supported by Rain Master Irrigation Systems.

Press the Up Arrow to return to the Measurement Options screen.

Step 5 Select F4=ET. The ET readings are displayed for the last seven days. The current day of the week (today) indicates the current ET accumulated since 12:00 midnight. Completed days show the total ET value for the 24 hour period starting and ending at midnight.

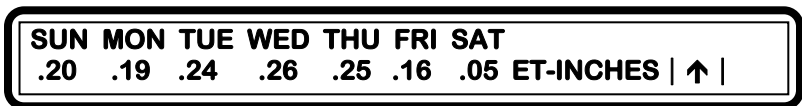


Figure 108: ET

Press the Up Arrow key to return to the Measurement Option screen.

Step 6 Select F5=RAIN/WIND. The current day's rain fall accumulation and wind speed is displayed.



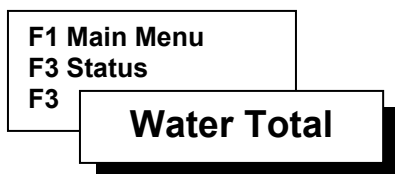
Figure 109: Rain/Wind Readings

The rain shows the total number of counts measured from the tipping bucket rain gauge since midnight. Each count represents 1/100 of an inch of rain.

Note: This rain count is cleared every day at midnight.

This completes the System Status procedure.

Press the QUIT key to return to base menu.



Water Total

Use Water Total to review the consumption for the current and past month.

There are two options:

- TOTALS PAST MONTH - Displays total gallons of water used during the previous month.
- TOTALS PRESENT MONTH - Displays the total gallons of water used to date during the current month.

Water Total Procedure

Step 1 Proceed to the Water Total screen as follows:

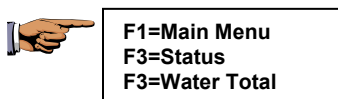


Figure 110: Water Totals

Step 2 Select F1=TOTALS PAST MONTH. The total gallons (G) of water for flow meter 1 and 2 are displayed.

The sum of both meters is also displayed.



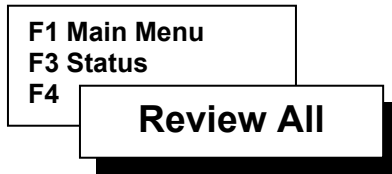
Figure 111: Past Month Water Totals

Press the Up Arrow to return to Water Totals menu.

Step 3 Select F2=TOTALS PRESENT MONTH. The total gallons (G) for flow meter 1 and 2 are displayed. The sum of both meters is also displayed.

This completes the Water Total Procedure.

Press the QUIT key to return to the base menu.



Review All

Use Review All to review all settings for all programs.

Procedure

Step 1 Proceed to the first Review All screen as follows:

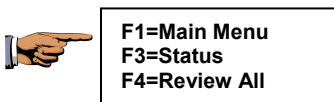


Figure 112: Review Water Days

Watering days are shown for the lowest numbered program (The display shown is a 14-day water cycle).

Note: It may be necessary to press the Down Arrow key several times to view all watering days.

Step 2 Press Down Arrow key. The program Start Time 1 is displayed.

Repeat as necessary to display additional start times.

- Step 3** Press Down Arrow key. The Defined Stations for the program are displayed.
- Step 4** Press Down Arrow key. The Station Run Time for each station within the program is displayed. Repeat as necessary to display run time for all defined stations.
- Step 5** Press Down Arrow key. The program Total Run Time is displayed.
- Step 6** Press Down Arrow key. The program Percent value is displayed.

If the controller has more than one program defined, the data for additional programs will be automatically displayed by pressing the Down Arrow key.

ISC data appears after all program data has been reviewed.

- Step 7** Press Down Arrow key. The Injector Station, if any, is displayed.
- Step 8** Press Down Arrow key. The version of the Evolution Controller software, the date of the software release and the time are displayed.

Note: *If the Flow Max feature is utilized, configuration information showing device connections verses controller addresses is displayed.*

This completes the Program Review procedure.

Press the QUIT key to return to the base menu.