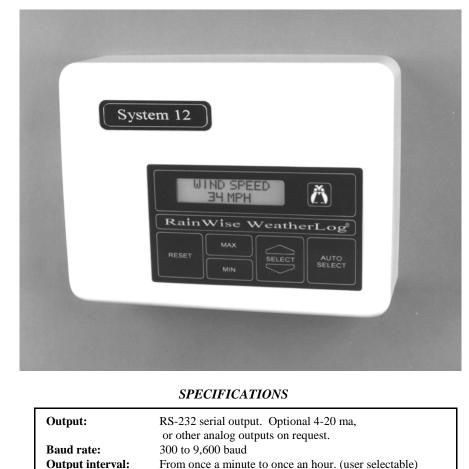# *The* RainWise System 12 Control/Display Console

The WeatherLog® System 12 Control/Display Console was developed to meet those applications which require a large number of sensors and/or a number of extra display parameters, such as averaging, daily records, etc. The System 12 has two serial ports and will display real time values, record 24 hour maximums and minimums, process the data in a preferred format and output directly to a printer and/or a computer. The large two line back-lighted display is controlled by a simple membrane switch array. Factory programming allows the user to view any sensor parameter desired. An RS-232 serial output is standard. Analog outputs, including 4-20 milli-amps are available as options. The Auto Select mode displays the values in rotation.

The System 12 can be provided with nonvolatile RAM up to a 256K capacity for those installations where a dedicated computer is not available. A sealed battery and charger insure operation in the event of a power loss.

The System 12 should be installed in an office environment. The rugged drawn-aluminum case can be wall mounted or will stand-alone. The power and sensor connections can be user-configured to exit either the back or the bottom of the case. The System 12 is guaranteed for five years.

SENSORS AVAILABLE
Wind speed
Wind direction
Temperature
Humidity
Barometer
Submersible Temperature
Soil Temperature
Soil Moisture
Rainfall/precipitation gauge
Rainfall/precipitation sensor
Evaporation
Leaf wetness
Solar radiation
Hours of sunlight
Water level
Snow depth
DERIVED PARAMETERS
Evapotranspiration
Dew point
Wind chill
Wind speed average
Wind direction average
Degree days
Growing days

Other types of sensors besides those listed above can also be incorporated in the System 12

SPECIFICATIONS

Output:	RS-232 serial output. Optional 4-20 ma, or other analog outputs on request.
Baud rate:	300 to 9,600 baud
Output interval:	From once a minute to once an hour. (user selectable)
Display:	16 digit – two line alphanumeric back-lighted LCD.
Power Input:	120/240VAC – 50/60 Hz. or 12VDC
Backup battery:	6 VDC gel cell with built-in charger - 24–30 hour backup
Size:	9" H x 12" W x 3.5" D.

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