

WebMACS Control System



GMT has taken advantage of the latest trends and developed a low cost aeration control system that will allow you to use any device with internet access to communicate with your composting facility. GMT configures a custom secure web page for every customer that allows you to see the temperatures, change settings and control blowers all from a smart phone on your living room couch. A wide range of models are available with the ability to suit small or large facilities. The WebMACS system has proven reliable and cost effective for communities as small as Gustavus, Alaska or as large as Portland, Oregon. Call us to discuss your facility's needs or request a quotation.

How the WebMACS System Works

The WebMACS Systems are based on rugged and reliable industrial controllers. The WebMACS System uses temperature feedback to automatically maintain the optimal composting environment. Simply log on through your hand-held device or smart phone to adjust the on/off time of the blower and temperature set point. When the set point is exceeded, the blower will run continuously until the temperature drops below the set point. GMT also offers complete design services and custom aeration systems with blowers, aeration piping, dampers and biofilters per your site requirements.



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WebMACS Specifications

- Web based UI accessible with any browser
- Compatible with mobile devices i.e. (phones and tablets)
- Custom plant layout
- Individual zone control
- Alarm events with email and sms alerts
- Custom logging rates
- Snapshot reports
- Live graphing functionality
- Live system status and data display
- Primary historical logs
- Export data compatible with Microsoft Excel
- 512k data storage 25,000 samples "CONTROLLER
- Powerful built-in web server
- Logging & automatic graphing of log files
- Built-In Ethernet switch with two Ethernet connections
- Up to 1,024 I/O points
- Protocols supported: HTTP, HTTPS, SSL, SMTP, Modbus/TCP, Remote Services™ server and client, & more.
- Email alerts based on user-defined conditions
- Static or DHCP IP address configuration
- XML, Modbus/TCP, & SNMP interface options
- Field updatable
- Rugged DIN-Rail/wall-mountable enclosure
- POWER SUPPLY: AC 100-240V Wide-range input
- Width only 39mm
- Built-in decoupling mosfet for 1+1 and n+1 redundancy
- Efficiency up to 94.7%
- 20% Output power reserves
- Safe HiccupPLUS overload mode
- Easy fuse breaking – 3 times nominal current for 12ms
- Active power factor correction (PFC)
- Minimal inrush current surge
- Full power between -25°C and +60°C"

Accessories

Temperature Probes	Heavy duty stainless steel with one or two sensors
Flow Control Dampers	Computer controlled dampers for zone regulation
Skid Mounted Aeration Blower	Custom designed 1 to 100 hp skid mounted

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