



OMA-VM520 SERIES

OMEGAPHONE Temperature Alarm Dialer

Four-Zone Thermocouple Input with Optional Ethernet Data Collection

Starts at
\$845



OMA-VM520, \$845, shown smaller than actual size.

- ✓ **Monitors Four Type K Thermocouples**
- ✓ **Programmable High and Low Temperature Limits For Each Temperature Sensor**
- ✓ **Programmable Time Delay For Each Temperature Sensor**
- ✓ **Recordable Identification Message For Each Temperature Sensor**
- ✓ **Field Correctable Temperature Readings**
- ✓ **Record a Message to Indicate the Location of the OMA-VM520**
- ✓ **LCD Displays Real Time Data**
- ✓ **Ethernet Data Collection Package Available. Includes Free Software and Ethernet Cable**

You need to monitor the temperature of a process across a wide range and be immediately notified any time, day or night,

if the temperature goes out of specified limits. The OMA-VM520 will make a telephone call to up to four phone numbers or pagers to notify key personnel of a temperature problem. Call anytime and hear the temperature of any sensor.

The OMA-VM520 is a full featured temperature alarm system capable of making alert telephone calls when the temperature goes outside of a user specified range.

The OMA-VM520 monitors up to four (4) K-type thermocouple temperature sensors, one (1) dry contact alarm input, and power.

The OMA-VM520 has programmable high and low temperature limits and an alarm time delay for each sensor. An identification message can be recorded for each sensor, indicating where the sensor is located to allow a quick response to a problem.

The OMA-VM520 has numerous options that allow it to be configured for any application.

OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

The OMA-VM520 can monitor any switch, relay, or dry contact with its dedicated dry contact input. A time delay can be programmed, enabling a contact to be closed a maximum amount of time before the buzzer is activated and the OMA-VM520 begins its alarm procedures. The OMA-VM520 will turn on the alarm relay and buzzer and begin making emergency notification calls when the temperature of any sensor is out of limits for greater than the alarm time delay or if the dry contact input is active.

The OMA-VM520 with Ethernet Data Collection Package is also a full featured temperature monitor and temperature data logger that can store temperature readings on a computer.



Data Logging Capability

Do you need to keep temperature records? Using the Ethernet Data Collection Package with the complimentary Data Capture Program enables you to store your temperature readings indefinitely on your computer and analyze and work with your data. The Ethernet Data Collection Package version (OMA-VM520-DCP) allows you to collect data across your LAN and store readings on PC. Also, alert emails can be sent out to alert staff to temperature issues. A built-in web server allows you to use a simple web browser to check the temperature by entering the IP address of the device into a web browser.

Specifications

Temperature Measuring Range:

0 to 1024°C (32 to 1875°F)

Accuracy: ±3°C (±5.4°F)

Resolution: 1°C (1°F)

Temperature Sensor Inputs:

4, Type K thermocouples

Sensor Connections:

Type K miniature size thermocouple receptacle

Thermocouple Input

Impedance: 60 K Ω

Dry Contact Input:

1, 12 Vdc 10 mA source

Outputs:

Relay: 30 Vdc 1A contacts

Alarm Buzzer: 85 dB

Data Communication Method:

Ethernet (optional)

Power Requirements:

120 Vac at 50/60 Hz wall mount transformer (included)

Battery Backup: 4-hour rechargeable battery backup; 20 or 30 hours optional

Operating Ambient:

0 to 51°C (32 to 125°F)

Dimensions:

117 H x 223 W x 57 mm D

(4.62 x 8.79 x 2.26")

Material: ABS plastic

Weight: 1.0 kg (2 lbs)

ETHERNET DATA COLLECTION

LAN: Ethernet 10Base-T or

100Base-TX (auto-sensing)

Transport Protocol: TCP/IP, UDP

Connector: RJ45

LED Indicators: 10Base-T

connection, 100Base-TX

connection, link and activity

indicator (full/half duplex)



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OMA-VM520-DCP, \$1045, shown smaller than actual size.

USER PROGRAMMABLE FEATURES

- **Recording Time for Sensor ID Messages:** 5 seconds
- **Number of Programmable Emergency Phone Numbers:** 4
- **Number of Digits for Each Phone Number:** 20
- **Number of Digits For The Local ID which is Displayed When Calling A Pager:** 20
- **Recording Time For The Local Identification Message:** 5 seconds
- **Sensor High and Low Temperature Limits:** Programmed in degrees
- **Programmable Range of Incoming Rings Before the OMA-VM520 Answers:** 1 to 20
- **Number of Digits in Programmable PIN:** 4
- **Sensor Callout Time Delay:** Programmable, 0 to 999 minutes

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

Model Number	Price	Description
OMA-VM520	\$845	4-channel temperature alarm dialer
OMA-VM520-B20	892	4-channel temperature alarm dialer with 20 hour battery backup
OMA-VM520-B30	911	4-channel temperature alarm dialer with 30 hour battery backup
OMA-VM520-DCP	1045	4-channel temperature alarm dialer with ethernet data collection
OMA-VM520-DCP-B20	1092	4-channel temperature alarm dialer with ethernet data collection and 20 hour battery backup
OMA-VM520-DCP-B30	1111	4-channel temperature alarm dialer with ethernet data collection and 30 hour battery backup

Comes with complete operator's manual and AC adaptor.

Ordering Example: OMA-VM520-DCP, 4-channel temperature alarm dialer with ethernet data collection and OMEGACARESM, 1-year extended warranty for OMA-VM520-DCP, (adds 1 year to standard 1-year warranty), \$1045 + 104 = \$1149.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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CANADA

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters