



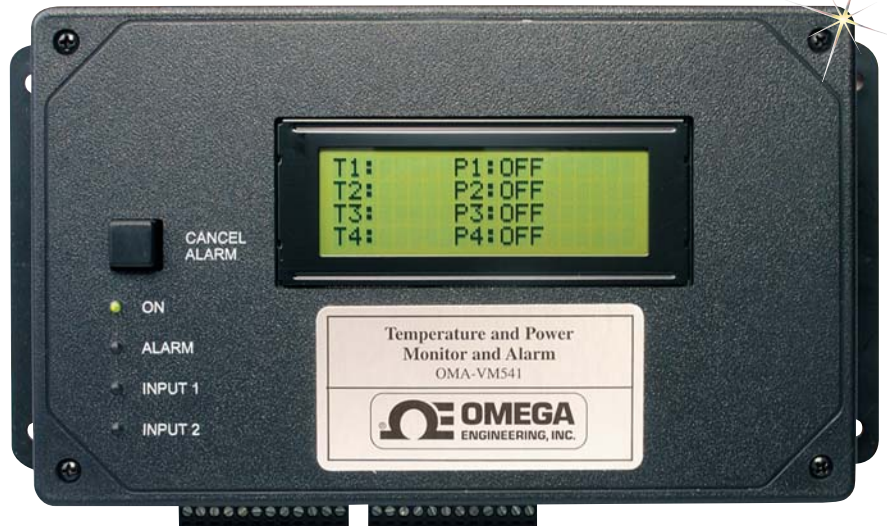
OMA-VM540 and OMA-VM541 SERIES OMEGAPHONE Alarm Dialer

Four Temperature Channels Plus Four Powered Inputs with Optional Ethernet Data Collection

\$445
Basic Unit



- ✓ **Monitors The Temperature of Up to Four Individual Areas and Up To Four Powered Inputs**
- ✓ **Monitors One Dry Contact (Switch Closure) Input**
- ✓ **Programmable High and Low Temperature Limits and Alarm Time Delay for Each Room**
- ✓ **Programmable "Normal" Power State and Alarm Time Delay for Each Power Input**
- ✓ **Programmable Alarm Time Delay for Auxiliary Dry Contact Input**
- ✓ **Calls up to Four Programmable Phone Numbers**
- ✓ **Call and Hear the Temperature, Power, or Input Status Any Time**
- ✓ **Pager Compatible Leaves Call Back Number on Numeric Pagers**
- ✓ **Programmed Settings are Never Lost!**
- ✓ **Recordable Greeting Message and Input Identification Messages for Each Input**
- ✓ **Rechargeable Backup Battery (Included)**



OMA-VM541, \$645, shown smaller than actual size

The OMA-VM540 monitors the temperature of up to four areas and up to four 12 Vdc powered inputs. The OMA-VM541 monitors the temperature of up to four areas and up to four 24 Vac powered inputs. The OMA-VM540 and OMA-VM541 will call and alert you with a voice message or a pager alert when a temperature is out of limits and your valuable equipment is in danger of being damaged.

The OMA-VM540 and OMA-VM541 will call you if power is lost at any input or the auxiliary alarm input becomes active.

Remote Status Checking

The OMA-VM540 and OMA-VM541 can be called at any time to check the status of any input.

Emergency Phone Calls

When a temperature input is out of programmed limits, a power input changes from its normal state, the power at the wall-mount power adapter is out,

or a contact closure occurs on the auxiliary dry contact input the OMA-VM540 and OMA-VM541 will dial all programmed phone numbers until contact is made. If contact has not been made after dialing all phone numbers, the OMA-VM540 and OMA-VM541 will wait twenty minutes and then begin calling again.

This sequence is repeated until contact is made. When the OMA-VM540 and OMA-VM541 is calling a standard voice number, it will play the recorded alarm message and the current alarm condition. The OMA-VM540 and OMA-VM541 will then prompt the user to enter the PIN. When the correct PIN is entered, contact has been made.

The OMA-VM540 and OMA-VM541 will stop calling until a new alarm condition occurs. When the OMA-VM540 and OMA-VM541 calls a pager number, it will transmit the programmable Local ID Number for display on the pager screen.



Ethernet Data Collection

The optional Ethernet data collection package allows you to remotely check the dialer status with a standard web browser.

Using this package you can view real time data, view historical data, automatically send alarm emails to key personnel that specify the exact location and cause of the problem, maintain secure data files, easily create and print graphs over specified time periods for any data and also program temperature limits and power input parameters remotely.

General Specifications

Telephone: Standard RJ11

phone jack connector

Telephone Numbers:

Stores up to four phone numbers up to 20 digits long

Recording Time for the Local Identification

Message: 5 seconds

Recording Time

for Individual Channel

Identification Messages:

2 seconds

Alarm Notification: Alarm siren sounds and alarm relay closes if any temperature input goes out of limits, a powered input changes state, or the auxillary alarm input becomes active.

Alarm Cancellation: Pushbutton on front of the unit silences the alarm and cancels the emergency telephone calls.

Display: Integral LCD display

Power Requirements:

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

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

Electrical Connections:

Pluggable 12 position terminal blocks



OMA-VM541, \$845, shown smaller than actual size

Ambient Operating Conditions: 0 to 51°C (32 to 125°F)

Material: ABS plastic

Dimensions:

117 H x 223 W x 57 mm D (4.62 x 8.79 x 2.26")

Weight: 0.9 kg (2 lbs)

Specifications

OMA-VM540

Temperature Inputs: 4

Temperature Measuring Range: -40 to 212°C (-40 to 100°F)

Temperature Sensor Type: 2-wire 1000Ω Pt RTD, $\alpha = .00385$

Accuracy: $\pm 1^\circ\text{C}$ (2°F)

Resolution: 1°C (1°F)

Powered Inputs: 4

Powered Input Range: 12 Vdc

OUTPUTS:

Relay: 30 V dc 1A contacts

Alarm Buzzer: 85 dB

OMA-VM541

Temperature Inputs: 4

Temperature Measuring Range:

-200 to 200°C (-328 to 392°F),

Accuracy: $\pm 1^\circ\text{C}$ (2°F)

Resolution: 1°C (1°F)

Temperature Sensor Type:

2-wire 100Ω Pt RTD, $\alpha = .00385$

Powered Inputs: 4

Powered Input Range: 24 Vac

OUTPUTS:

Relay: 30 Vdc 0.5A contacts

Alarm Buzzer: 85 dB

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)



OMA-VM541-DCP, \$845, shown smaller than actual size

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model Number	Price	Description
1000 Ω Pt RTD Input Models		
OMA-VM540	\$445	8 channel temperature/power line alarm dialer
OMA-VM540-B20	492	8 channel temperature/power line alarm dialer with 20 hour battery backup
OMA-VM540-B30	511	8 channel temperature/power line alarm dialer with 30 hour battery backup
OMA-VM540-DCP	645	8 channel temperature/power line alarm dialer with ethernet data collection
OMA-VM540-DCP-B20	692	8 channel temperature/power line alarm dialer with ethernet data collection and 20 hour battery backup
OMA-VM540-DCP-B30	711	8 channel temperature/power line alarm dialer with ethernet data collection and 30 hour battery backup
RTD-1-F3145-36-T	38	Epoxy potted 1000 Ω RTD element with 1.8 m (3')* of 26 AWG PFA insulated stranded nickel plated copper lead wire
100 Ω Pt RTD Input Models		
OMA-VM541	\$645	8 channel temperature/power line alarm dialer
OMA-VM541-B20	692	8 channel temperature/power line alarm dialer with 20 hour battery backup
OMA-VM541-B30	711	8 channel temperature/power line alarm dialer with 30 hour battery backup
OMA-VM541-DCP	845	8 channel temperature/power line alarm dialer with ethernet data collection
OMA-VM541-DCP-B20	892	8 channel temperature/power line alarm dialer with ethernet data collection and 20 hour battery backup
OMA-VM541-DCP-B30	911	8 channel temperature/power line alarm dialer with ethernet data collection and 30 hour battery backup
RTD-1-F3105-36-T	38	Epoxy potted 100 Ω RTD element with 1.8 m (3')* of 26 AWG PFA insulated stranded nickel plated copper lead wire

Each unit is supplied with complete user's manual and ac adaptor.

Ordering Example: OMA-VM541-DCP-B30 eight channel temperature/power line alarm dialer with 100 Ω Pt RTD temperature inputs, Ethernet data collection and 30-hour battery backup and **OMEGACARESM** 1-year extended warranty for OMA-VM541-DCP-B30 (adds 1 year to standard 1-year warranty), \$911 + 91 = **\$1002**.



UNITED STATES

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

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• Temperature

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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