Automatic Dialing Remote Monitoring System

Models OMA-D560, OMA-D570

1 YEAR WARRANTY

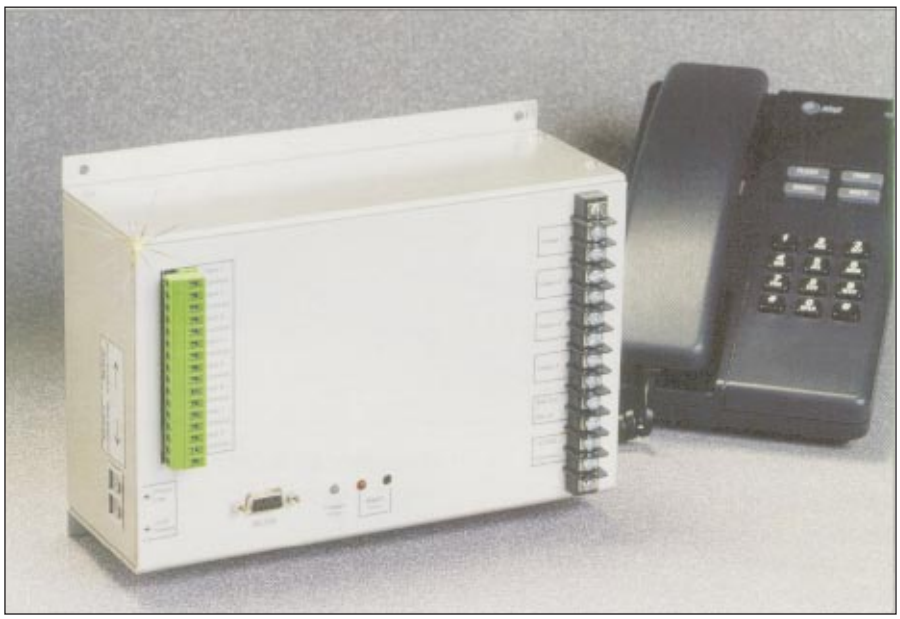
MADE IN USA

OMA-D560

$1360

Basic Unit

- **Voice and Data Modes**
- **Stores up to Eight Phone Numbers**
- **Delivers Alarm Messages from Pre-Loaded Vocabulary**
- **Eight User-Defined Analog/Digital Inputs**
- **Four Heavy Duty Relay Outputs**
- **Built-in Datalogger**
- **Pulse Counting and Totalization**
- **24 Hour Battery Backup**
- **AC Power Monitor**



OMEGA's OMA-D560 and OMA-D570 Automatic Dialing Remote Monitoring Systems enable you to monitor and control process, security and safety conditions at any number of remote sites from a standard telephone or personal computer. The advanced features of these models allow you to correct an unsafe condition, alert designated individuals and even track important system performance and diagnostics data.

Remote Monitoring

The OMA-D560 and OMA-D570 can monitor points in a single piece of equipment, a complex process or a complete facility and report the information over a standard phone line. Conditions that can be monitored include switch closures and process parameters such as pressure, flow and pH. Statistical functions provide information such as "total events" and "events per minute."

Wide Range of I/O Options

Eight user-defined analog/digital input channels, each with programmable alarm and control setpoints, can accept 0 to 5 Vdc, 4 to 20 mA, TTL logic, switch contacts or thermistor inputs in any combination. These remote monitoring systems also have the ability to count pulses, totalize and measure RPM's. Outputs can manually or automatically switch heavy loads.

Broad Communications Capability–Voice and Data Modes

Unique to the OMA-D560 and OMA-D570 is the ability to communicate in both voice and data mode. The high quality digital voice circuitry provides a clear, natural sounding voice over a standard telephone line. In voice mode the user can inquire into condition status as well as turn outputs on or off. In the data mode, utilizing a built-in modem, the user has full access to condition status, an output controller and a datalogger. The easily accessible front panel RS-232 port, which also serves as a serial printer port, allows any computer or ASCII terminal device to access the system. A unique gateway feature allows remote communications to any RS-232 attached device, e.g., PLC. Model OMA-D560 supports modem communications up to 2400 baud. Model OMA-D570 supports modem communications up to 33.6 KB. Model OMA-D570 also has the ability to communicate with fax machines and alphanumeric pagers.

Alarm Dial-Out

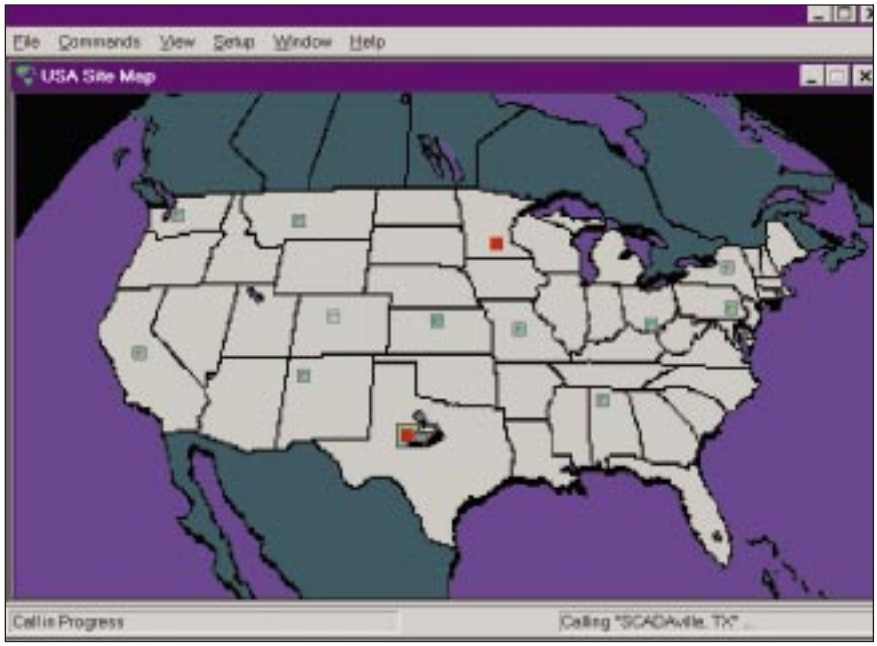
When potential problems are detected, the alarm dial-out feature will automatically dial up to eight pre-programmed phone numbers up to 24 digits long to notify designated individuals–no matter where or when–so remedial action can be taken. The unit's dial-out feature will continue calling out until the alarm is acknowledged.

Remote and Local Status Inquiry

The OMA-D560 and OMA-D570 can be called at any time, from any place, to get a comprehensive status report on all conditions being monitored. Up-to-the moment information is always available–in person, over standard telephone lines using a touch-tone phone or via a modem to a computer or printer.

Security Protection

You decide who controls the OMA-D560 and OMA-D570. Separate passcodes permit varying degrees of system privilege ranging from "reports only" to "system administration."



Automatic Control

A simple yet powerful algorithm controls the OMA-D560 and OMA-D570's outputs according to user-defined setpoints on the inputs. The outputs can even be forced into a "fail-safe" condition when certain fault conditions are detected. All control parameters can be easily changed by phone.

Data Logging

The OMA-D560 and OMA-D570 can continuously monitor and store performance data on your equipment over a period of time. Model OMA-D560 can store up to 2000 records. Model OMA-D570 can store up to 10,000 records. Recorded data can be transferred directly into programs such as Excel or Lotus 1-2-3. Recorded data can thereby be utilized to schedule preventive maintenance, improve energy efficiency or analyze equipment and process performance.

Line Seizure

Line seizure ensures that the OMA-D560 will have priority over other devices attached to the same phone line.

SWD-SCHEDULER Software for Windows 3.1 or Windows 95

SWD-SCHEDULER software is an automatic scheduler package that can gather data from up to hundreds of remote locations being monitored by OMA-D560 or OMA-D570 remote monitoring systems. The software contains a dialing directory which contains all of the information needed to connect to each remote site. The dialing directory can be scheduled to interrogate its remote sites at predetermined intervals. If a site is busy or does not answer, the call is repeated three times. All information retrieved from remote sites is saved in industry standard comma-delimited ASCII files which can be interfaced with virtually any spreadsheet or database program. SWD-SCHEDULER software can run as a background polling/scheduler application which means that you can use the computer while this software is running to run other programs.

Specifications

OMA-D560, OMA-D570

No. of Inputs: 8 analog or digital

No. of Outputs: 4

Input Types: Dry contact (NO or NC), TTL logic level, 0-5 V, 4-20 mA, 10 KOhm thermistor (44006 element), RPM (100 to 3000), pulse count (counts up to 10 million, resettable). Each input has programmable alarm and control setpoints.

Analog Input Resolution: 10 bit

Output Type: SPST mechanical relay rated 10A @ 110 Vac.

Telephone: Standard RJ-11 modular jacks for "phone" and "line".

Telephone Numbers: Stores up to 8 phone numbers up to 24 digits long

Power: 110 Vac, 50/60 Hz; 12 Vdc @ 400 mA

Battery Backup: Rechargeable 24 hour gel cell

Auxiliary DC Output: 12 Vdc @ 100 mA, for powering external transducers

AC Power Detect: Built-in, checks AC power on/off status and initiates alarm

Real Time Clock: Clock and calendar with battery backup

Communications Interface: Front panel RS-232 port; RJ-11 telephone connection (built-in modem)

Communications Speed: RS-232, up to 4800 baud for model OMA-D560, up to 9600 baud for model OMA-D570; modem, 2400 baud for model OMA-D560, up to 33.6 KB for model OMA-D570

Operating Temperature: 0 to 140°F (0 to 60°C)

Humidity: 10 to 90% non-condensing

Dimensions: 7" H x 10" W x 4" D (175 x 250 x 100 mm)

Weight: 7 lbs (3.2 Kg)

SWD-SCHEDULER SOFTWARE

System Requirements: Any 486 or Pentium computer running Microsoft Windows 3.1 or Windows 95 in enhanced mode, 8 MB RAM minimum, 16 MB RAM recommended, at least 8 MB free hard disc space, VGA display or better, any Hayes compatible internal or external modem, 2400 baud or higher.

To Order *(Specify Model No.)*

Model No.	Price	Description
OMA-D560	**$1360**	Remote monitoring system
OMA-D570	**1810**	Remote monitoring system with expanded communications and datalogging features
SWD-SCHEDULER Software	**599**	Central station automatic scheduling software for models OMA-D560 and OMA-D570

The OMA-D560/D570 includes an RS232 cable with DB9F connector, an AC power cable, a phone cable and a complete user's manual.

***Ordering Example:** OMA-D560 remote monitoring system with SWD-SCHEDULER Software, $1360 + 599 = **$1959**.*