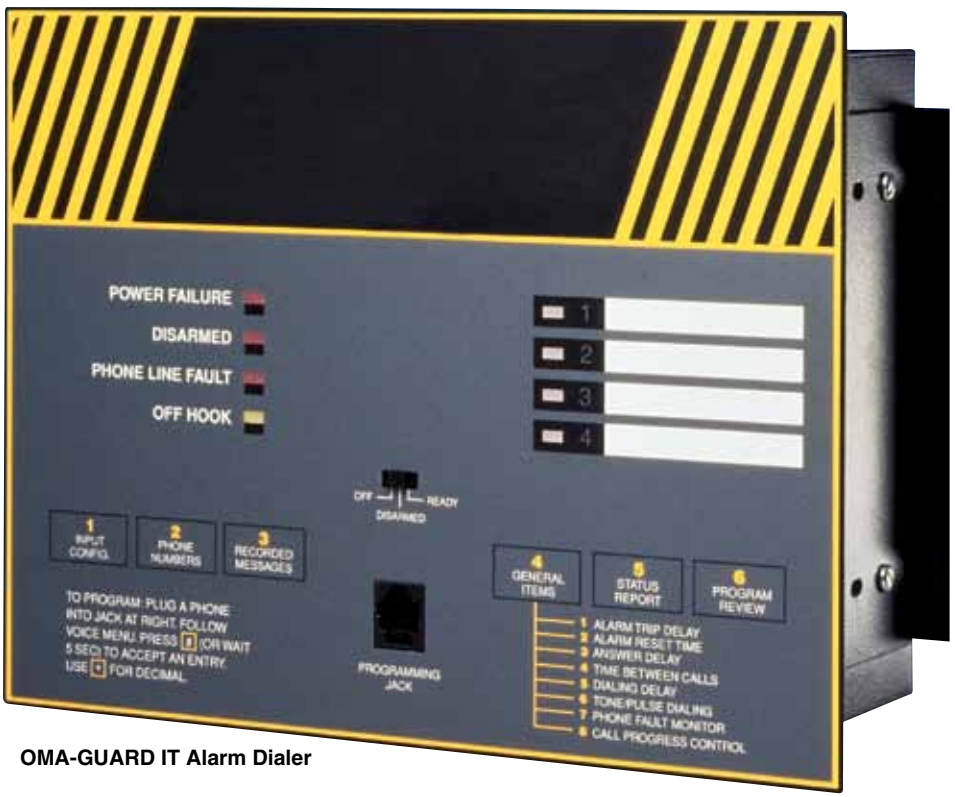
Rugged Automatic Alarm Dialer

OMA-GUARDIT

2 YEAR WARRANTY

- **Monitors Four Analog or Digital Inputs, Individually Selectable**
- **Calls Up to Eight Phone Numbers on Alarm Condition**
- **Digitally Records Alarm Messages up to 12 Seconds Long Each**
- **Built-in Surge Protection**
- **Wall Mount or Panel Mount**
- **Rugged Steel Construction**



OMA-GUARD IT Alarm Dialer

The OMA-GUARDIT automatic alarm dialer monitors 4 input channels. Each channel can be configured for an analog or digital signal input. The system utilizes the public telephone network as a basic medium for transmission of alarm messages and status calls. It is field programmable by the user at the system's control panel via a standard touch tone phone handset.

Automatic Alarm Reporting

Upon detection of an alarm condition, OMA-GUARDIT automatically calls a list of up to 8 pre-programmed phone numbers over the standard dial-up telephone network, calling until it gets an acknowledgement. When a connection is made, the system reports the station identity and the specific alarm condition in the form of a digitally pre-recorded voice message. In addition to standard phones in office, plant, or home, the alarm calling sequence can also include calls to pagers, cellular phones, and voice mail.

Local Alarm Relay Output

The OMA-GUARDIT provides a transistor output for TTL or relay drive (500 mA 24 VDC max) activated during unacknowledged alarm. This output can be used to activate a local alarm buzzer or light, can be used to remove power to machinery when used with a normally closed relay or activate/de-activate any device locally when an alarm condition occurs.

Alarm Acknowledgment

An alarm is acknowledged simply by pressing a button on the called phone. When acknowledging an alarm, a built-in microphone permits the caller to listen for background sounds at the site. The user can also call the system from any remote phone for a status report of all points being monitored.

Voice Messaging

The voice transmission consists of a station identification together with an alarm message giving details on the fault. The station identification and alarm messages are digitally recorded by the user. By using electronic voice reporting technology, OMA-GUARDIT eliminates the need for often unreliable audio tape autodialers.

Set-up and Programming

System set-up, voice recording, and programming is accomplished via an external touch-tone phone which plugs into a standard phone jack on the system's front panel. The user simply follows voice instructions given over the phone.

System Controls

System operating status is provided by front panel LED indicators. System off/disarm/ready controls are provided on front panel. Surge protection and noise suppression are standard.

A Truly Modern Autodialer

OMA-GUARDIT fills the requirement of a modern autodialer–it should be extremely reliable and be able to tell the called party as much information about the nature of an alarm as possible so that the right personnel can respond quickly and appropriately. Many other autodialers don't meet these requirements.

Specifications

ELECTRICAL

Power Requirements: User supplied 10-14 VDC, 500 mA max. **Power Consumption:** 200 mA minimum standby 500 mA maximum active
Power Failure: Automatic alarm for external power failure
Battery Charging: Precision voltage controlled, automatic rapid recharge after drain

UNIVERSAL SIGNAL INPUTS

Digital Inputs: Open contacts see 5VDC, closed contacts see 5 mA DC
Analog Inputs: 4-20 mA, single ended. Maximum voltage drop 10 VDC.
Resolution: 0.2%
Absolute Accuracy: 0.5%

Local Alarm Relay: Transistor output for TTL or relay drive (500 mA 24 VDC max) activated during unacknowledged alarm.
RJ11-Telephone Line Jack: For connection to public telephone network

PHYSICAL

Surge protection: solid state protectors on phone, power, and signal lines
Enclosure: single circuit card in durable steel cabinet designed for mounting on control panel wall or flush mounted inside a larger control panel with faceplate visible
Weight: 4 pounds, 6 pounds with battery
Dimensions: 6.85"H x 8.85"W x 2.85"D
Mounting Centers: 3.6"H x 9"W

ENVIRONMENTAL

Temperature Range: 20° to 130°F.
Humidity: 0 to 95%, non-condensing

TELEPHONE

Rotary pulse or tone dialing. Dials up to 8 different numbers, each up to 60 digits long. Time between alarm phone calls programmable 0.1 to 99.9 minutes. Smart calling call progress monitoring detects dial tone, basic ringback and busy signal. Alarm acknowledgement by touch tone key or callback. Compatible with most pager, cellular, and voicemail systems. User-furnished standard touch-tone handset required for programming. FCC Registered.

PROGRAMMING

Standard phone jack on front panel for programming phone. Voice menu instructions guide programming.

SPEECH MESSAGES

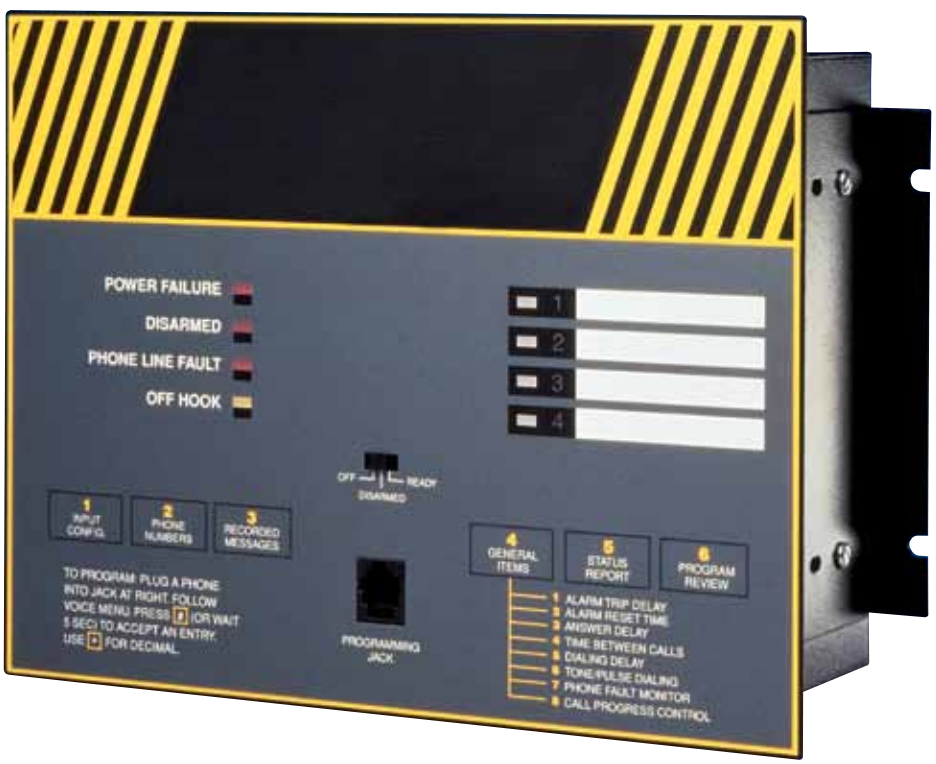
User digitally records five messages, Station ID and four channel alarm messages. High definition digital recordings up to 12 seconds per message. Resident synthesized voice vocabulary for programming guidance.

FACTORY OPTIONS

AC Power Supply, battery backup, internal 6 volt; 4 AH gel cell provides 20 hours operation during power failure. NEMA 4X enclosure.

OMEGACARE℠ Extended Warranty Program

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



To Order

Model Number	Description
OMA-GUARDIT	Rugged automatic alarm dialer with 4 analog/digital inputs
OMA-GAC	AC power supply
OMA-GBB	Battery backup
OMA-GNEMA4X	NEMA 4X enclosure

OMA-GUARDIT comes with complete user's manual.
OMEGACARE℠ extended warranty is available for models shown on this page. Ask your sales representative for full details when placing order.
Ordering Example: OMA-GUARDIT alarm dialer, ***OMEGACARE℠*** *1-year extended warranty (adds 1 year to 2-year standard warranty).*