CALIBRATION TECHNOLOGIES INC.

Specialists in Gas Detection

AUTODIALER AD-400

Remote Monitoring and Alarm Notification System

When an alarm is detected, the AD-400 can notify four people by making voice phone calls. It will continue to make phone calls until someone responds to the call. Four inputs are available for connection to dry relay contacts of external monitoring equipment. The AD-400 also includes nonvolatile memory and a 24-hour battery backup with user-installed batteries. For indoor installation, non-classified areas only.

- 4 contact closure inputs
- 1 relay output
- Dials up to 4 phone numbers
- AC power monitor
- Temperature sensor
- Battery backup

Features

Input Zones:
- Four inputs that support:
   Normally Open or Normally Closed contacts
   Temperature sensors: -20° to 150°F
- Automatic input type configuration.
- Programmable recognition times.
- Internal calibration.

Alarm Notification:
- Dials up to 4 phone numbers.
- Makes voice phone calls with customized messages for easy identification.
- Built-in alarm test function to simulate and test the notification process.
- Includes telephone line seizure.

Voice Messages:
- Built in vocabulary for keypad programming and sensor readings.
- Record custom voice phrases in your own voice to describe each input zone.
- Record site identification message.

Microphone:
- Internal microphone for custom voice message recording.

Output Relay:
- Low voltage NO/NC output relay included.
- Manual or automatic alarm response switching.

Remote Access:
- Call in to check the status of all monitored conditions.
- Make programming changes remotely from any phone.
- Remotely control the output relay.

Local Access:
- Keypad and speaker for local programming.
- Easy voice-prompted programming.
- Password-protected to restrict programming access.

Power Supply:
- Comes with plug-in power supply.
- 24 Hour battery backup using 6 size C alkaline batteries (not included).
- Automatically monitors for power failure alarms.

Temperature Sensor:
- -20°F to +150°F remote sensor included

Ordering Information
   Model number: AD-400
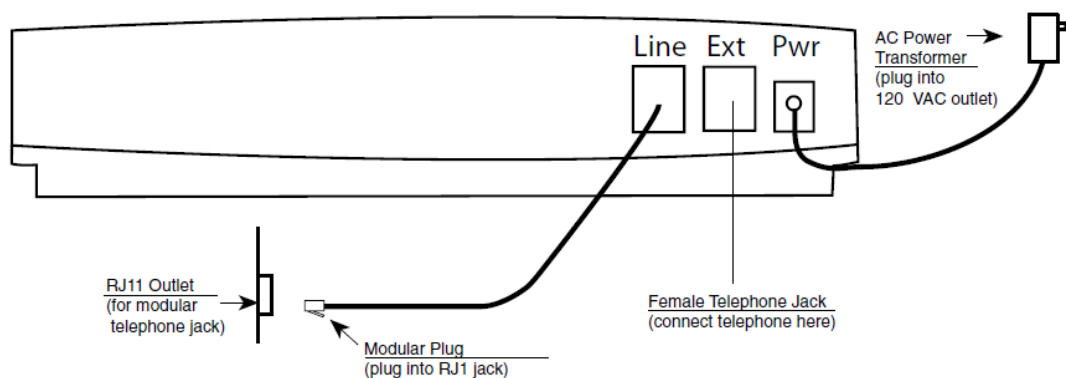
AUTODIALER   AD-400

Wiring Diagram

Refer to the following Quick Setup guide to connect your AD-400.   More details can be found in the User's Manual.

Power and Phone Line

The AD-400 is provided with a DC power transformer that will plug into any standard 120 VAC outlet, and a battery backup (batteries not included) that enables the unit to continue functioning if AC power is removed. The AD-400 uses six C-cell alkaline batteries. Do not use rechargeable batteries.

To install the telephone line, plug one end of the modular cord into the "line" jack on the back of the AD-400 (as shown) and plug the other end into any standard RJ11 phone outlet.   Another jack is provided to connect an optional phone extension. The AD-400 will operate with all standard analog telephone lines that accept pulse or tone dialing. Also, it may not be installed on a party line, pay telephone line, or digital telephone system. Certain private telephone systems and public switching equipment may not accept the AD-400 dialing or may generate an unacceptable ring signal. In those cases, a dedicated line may be required.

Input Zone/Relay Wiring

Open the input/output wiring door located above the keypad. The AD-400 can monitor up to 4 zones (represented by the numbered terminal screws. A zone configured as dry contact can be used with any normally open (N.O.) or normally closed (N.C.) relay. "Open" refers to an opened circuit path; if an alarm condition causes the circuit to close, an alert condition occurs. "Closed" refers to a continuous circuit path; if a closed circuit is opened, an alert condition occurs. Refer to the User's Manual to configure the way zones are monitored. The AD-400 may have more than one relay connected to the same input zone, as long as the normal condition for each relay on the same input zone is identical (either all N.O. or all N.C.).

Multiple normally-opened relays wired in parallel (example using Zone 1)

Multiple normally-closed relays wired in series (example using Zone 3)