



DESCRIPTION

Omni is an integrated security and control system for homes and businesses. The system accepts standard sensors for intrusion, fire and temperature, and controls heating/cooling, lights and appliances for comfort, convenience, peace of mind, and energy savings.

Omni operates by "mode," for example, Day, Night, Away and Vacation modes, which set temperatures, lights and security to the appropriate levels. Modes, as well as control by time and date, sunrise/sunset and event can be set up using the console or a personal computer. Security sensors can be used to adjust lights, appliances and temperatures, even when the security system is off. Powerful programming features, designed specifically for security and control applications make the Omni easy to set up and change. Control and security functions can be programmed by the dealer and by the homeowner.

All Omni features are accessible by telephone on or off premises for convenience. Omni's clear voice provides guidance for telephone access. The built in digital communicator reports alarm events to a central station.

CONTROL FEATURES

- Controls up to 40 different lights, appliances or groups: 32 via X-10 control modules, 8 hardwired to Omni control panel
- Temperature control using up to 4 HAI Model RC-80 or RC-100 thermostats
- Temperature control for other items or existing thermostats using up to 8 Model 1101 Programmable Energy Saver Modules
- 2-Way X-10 allows Omni to receive X-10 signals for advanced lighting control and home theater
- X-10 Collision Detection and retry for reliability
- Lights can be set to scenes of varying brightness
- Lights, control outputs, temperatures and security modes can be scheduled by time, sunrise, sunset, and date or day of week. Scheduling commands include:
 - on, off, dim, brighten, direct level
 - on/brighten for 1 - 99 seconds or minutes, then off/dim
 - off/dim for 1 - 99 seconds or minutes, then on/brighten
 - change temperatures
 - change modes
 - sequence command (for sprinklers)

- Event button capability (macros) allows a series of commands to be executed at once, initiated by:
 - a console command
 - a telephone command
 - a zone opened or closed
 - a mode change
 - a time schedule
 - incoming X-10 signals
 - other internal events
- Scheduling commands and Event buttons can be conditionalized (made to execute only if the condition is true) by:
 - sunrise/sunset
 - time clocks
 - zones open or closed
 - mode
 - flags
 - other internal events
- Expansion port for future CEBus, Echelon or other interface.

SECURITY FEATURES

- 16 Zones, fully configurable, expandable to 32
 - intrusion, panic, duress, etc.
 - fire, smoke
 - outdoor temperature
 - energy saver module
 - temperature control and/or alarm
 - auxiliary input
 - thermostat
 - keyswitch
- 8 Hardwire Outputs, fully configurable
 - control output
 - temperature control
 - thermostat
 - long range radio
 - armed, OK to arm
 - others
- LCD Consoles
 - 8 maximum
 - 4 wire connection
 - independent operation
 - configurable beeper, view angle
 - backlit keys and display
- Five arming levels: off, day, night, away, vacation
- 8 partitions
- 16 user codes with selectable access levels
- User codes can be made valid during certain times and days only, for maid, service, etc.
- All lights on when alarm is tripped to frighten intruder away
- Outdoor lights flashing when alarm is tripped to alert neighbors and police
- Entry, Exit, Outdoor Siren delays user programmable
- Entry delay can be doubled or quadrupled on a zone to accommodate garage and back doors.

- Pre alarm beeper in console
- Separate indoor and outdoor siren outputs:
indoor siren is activated before outdoor siren to give owner time to turn alarm off before outdoor siren is activated
- Auto bypass feature means alarm won't go off unexpectedly if door or window is left open when the system is armed. (selectable)
- Trouble conditions indicated in English on display for:
 - zone trouble
 - AC Power off
 - battery low
 - phone line dead
 - system trouble
- Optional wireless receiver is fully supervised for greater reliability
- High Security mode for commercial applications
- All Fire and Burglary zones are EOL supervised
- Event Log with Time & Date

TELEPHONE CONTROL FEATURES

- Works with Touch Tone phones inside or away from the premises with access code
- 200 word vocabulary for custom descriptions
- Compatible with answering machines
- From any phone, you can:
 - change modes
 - change temperatures
 - arm/disarm security, bypass and restore zones
 - activate event buttons
 - hear complete status of system
 - hear event log and help menu
- Lockout feature discourages tampering with system by phone

DIGITAL DIALER FEATURES

- 4/2 and 3/1 formats, dual round compared
- 10 or 20 pps system, compatible with most central station equipment
- Two phone numbers with two account numbers
- Reports opening and closing by user
- Dialer is preprogrammed with default reporting codes, minimizing risk of installer error
- Programmable using console or PCAccess

VOICE DIALER FEATURES

- Completely solid state, no tape or moving parts to wear or break
- Voice dialer is delayed by 5 minutes if digital dialer is used to allow central station to call back
- Dials up to 8 user programmable numbers and reports type and location of alarm
- Called party can cancel dial out by entering code

RELIABILITY FEATURES

- Designed for extreme resistance to false alarms
- Verifies smoke detectors by cycling power and confirming smoke alarm
- System reads resistance of each zone independently to detect trouble due to faulty sensor or wiring **before** it causes false alarms

- Pulse count feature precludes false alarms due to static, transients, lightning
- Programmable delay to minimize false alarms from user error
- All inputs and outputs protected against static, RFI, surges, and lightning by use of impedance limits, spark gaps, TRANZORB surge arrestors, RC filters, MOVs, bypass capacitors and grounded shields
- Watchdog timer, non volatile EEPROM storage for ALL programs, self diagnostic software, low voltage cut out, efficient, cool running digital power supply for system integrity

EASE OF USE FEATURES

- Text and voice descriptions for all zones, units, codes, and macros
- Console display shows menus to guide users during operation
- Minimum keystrokes for common functions
- Quick mode change feature
- Backlights on display and keys, plus tall character, adjustable LCD display
- Help messages on display and over phone

TECHNICAL

- Power supply: 120 VAC 60 Hz UL Listed 24 VAC 40VA transformer
- Recommended battery: 12 V, 7 Ah sealed rechargeable
- Microprocessors: 3
- Speech: Digitally reproduced human voice for clarity

COMPUTER INTERFACE

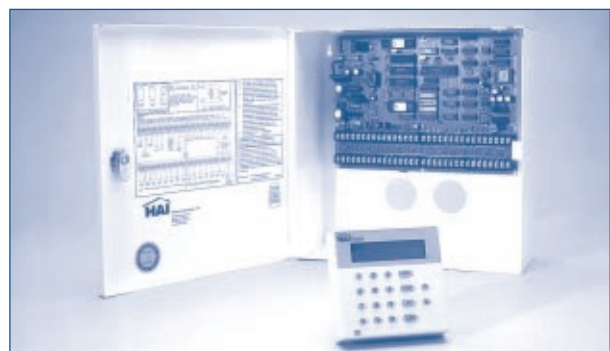
- Built in modem for local or remote (with security code) access to system using personal computer
- Everything in Omni can be programmed using HAI PCAccess software for personal computer

OPTIONS:

- Supervised Wireless Receiver
- 2-way Audio Verification / Voice Alarm
- Hardware expansion board
- OmniLink RS 232/485 Interface

APPROVALS

- UL Residential Fire and Burglary
- UL Commercial Burglary
- FCC Part 15J, Part 68
- IC-60 (Canada)
- California State Fire Marshall



For More Information on HAI Products & Applications go to:
www.homeauto.com