DESCRIPTION

The OmniPro is an integrated security and control system designed for commercial and high end residential applications. Based on the reliable Omni platform, the system utilizes standard sensors for security, fire protection, and environmental control, plus offers comprehensive management of lighting, HVAC and other mechanicals.

The OmniPro is a full featured facilities management system which operates by "modes" like Weekday, Weekend Day, Night, Away or Vacation. Any given mode can be programmed to define specific temperature parameters, lighting sequences and the appropriate security functions. OmniPro can also be configured for actions based on time of day, sunrise and sunset or individual events. The security sensors can be used as triggers to adjust lighting, temperature and other devices. Powerful, flexible programming, designed specifically for security and control applications, addresses installations of all sizes and types.

OmniPro provides up to 96 zones (of which 64 can be wireless), 128 X-10 control outputs, 99 user codes, eight on board voltage outputs and up to eight true partitions. It can control 64 HAI Omnistat thermostats and 64 relay outputs, has 750 lines of programming and 250 event log entries. All OmniPro features are accessible by telephone, on or off premises, and can be programmed and controlled using the console or personal computer. OmniPro has an extensive vocabulary of commercial and residential words, text messaging at the console and software counter/registers, making it a high performance facilities management system at a reasonable cost.

OmniPro - The Professional's Choice in Commercial and Residential Automation.

CONTROL FEATURES

- Controls up to 190 loads, plus 64 thermostats
- 128 via X-10 control modules
- 8 hardwire outputs standard, plus up to 64 relay outputs optional
- Temperature control using up to 64 HAI Omnistat communicating thermostats
- Temperature control for up to 8 (expandable to 72) existing thermostats or other devices using Model 1101 Programmable Energy Saver Modules
- Two Way X-10 allows OmniPro 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 second to 18 hours, then off/dim
  - off/dim for 1 second to 18 hours, 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:
  - console commands
  - telephone commands
  - zone openings or closings
  - mode changes
  - time schedules
  - incoming X-10 signals
  - any events
- Scheduling commands and Event buttons can be conditionalized (made to execute only if the condition is true) by sunrise/sunset, time clock , zones open or closed, mode, flags, or events.
- Expansion port for future CEBus, Echelon or other interface.
- Counter/registers for counting or timing events

SECURITY FEATURES

- 16 Zones, fully configurable, expandable to 96
  - intrusion, panic, duress, etc.
  - fire, smoke
  - outdoor temperature
  - energy saver module
  - temperature control and/or alarm
  - auxiliary input
  - thermostat
- 8 Hardwire Outputs, fully configurable for control output, temperature control, thermostat, long range radio, armed, OK to arm, and others
- LCD Consoles
  - 16 maximum
  - 4 wire connection
  - independent operation
  - configurable beeper, view angle
  - backlighted keys and display
- Five arming levels: off, day, night, away, vacation
- 8 true partitions, for security and control
- 99 user codes with selectable access levels
- User codes can be made valid during certain times and days only, for maid, service, warehouse, office, 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
- 250 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
- Text messaging at the console.
- 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 - up to 64 zones.
- 2-way Audio Verification / Voice Alarm
- Expansion Modules and Enclosures
- ProLink 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