



The OmniPro II is HAI's flagship automation and security controller. It is designed for large residences and commercial installations. The system provides enhanced comfort, safety, convenience and energy savings by coordinating lighting, heating and air, security, scenes and messaging based on activity and schedules. OmniPro II features the most powerful version of HAI's Advanced Control Programming (ACP) logic that allows installers and owners to set schedules and actions performed by the system.

OmniPro II comes with several standard modes, such as Day, Night, Away and Vacation, and can accept customized scenes such as "Good night", "Good morning" or "Entertainment" that set temperatures, lights and security to the desired levels with one touch. Security and temperature sensors can be used to adjust lights, appliances and thermostats, monitor activity and track events. The premises can be controlled and programmed on-site or from a remote location. Easy to read LCD consoles show status and allow control and scheduling of lighting, security, temperatures and accessories.

OmniPro II is HAI's most connectable system. In addition to connections for security devices, thermostats, light switches, telephone and backup battery, the OmniPro II features three built-in serial ports for connection to additional control devices, like HAI's Web-Link II and PAccess, and Connectivity Partner touchscreens, infra-red controls for entertainment, lighting controllers and computers. With optional Web-Link II, the OmniPro II's control and monitoring features are available to any device on the home or business data network with a standard web browser, such as computers, PDAs, web-enabled TV's and web-tablets.

OmniPro II also features telephone accessibility, a built-in digital communicator for use with a central station and can dial up to 8 additional phone numbers chosen by the owner for voice notification. OmniPro II has an expanded vocabulary for voice notifications and announcements. A built-in high speed modem allows programming and control from a remote location using HAI's PAccess program.

An ideal choice for large homes, businesses and commercial facilities, OmniPro II is HAI's 6th generation controller. It has passed the most rigorous product testing for reliability and resistance to surges and interference of any HAI product manufactured to date. It supports numerous Omni family accessories, including a complete line of fully communicating thermostats. OmniPro II is the most powerful controller ever from HAI - the company that's been leading the industry since 1985.

AUTOMATION FEATURES:

- Controls up to 392 lights, appliances or groups:
 - 256 via power line carrier modules and/or 248 ALC switches using one or two optional 4-branch ALC Interfaces
 - 8 expandable to 136 voltage outputs
- Temperature control for up to 64 Omnistat thermostats
- OmniPro II sends time, outdoor temperature to thermostats for display
- Time, Sunrise, Sunset, outdoor temperature display
- Status display (on, off, level, mode, heat, cool, fan, temperature, etc.)
- Temperature control for other items or existing thermostats using up to 176 temperature sensors or 136 PESMs
- Enhanced Two-Way X-10 allows OmniPro II to receive signals for status tracking, use as program triggers, features collision detection and retry for reliability
- Lights can be set to scenes of varying brightness, with Level, Ramp and Scene Support for architectural quality lighting control
- Lights, control outputs, temperatures and security modes can be scheduled by time, sunrise, sunset, and date or day of week, as well as various system events.
- 1500 lines of non-volatile ACP control program storage
- Commands (immediate and scheduled) include:
 - on, off, dim, brighten, level, scene (and ramp rate for ALC)
 - timed on, off, dim, bright
 - change settings, mode, fan for one or all thermostats
 - change system modes, zone status, flags, counters, timers
 - say, display or place a call with a message
 - activate a button (macro)
- Supports HAI Pro-Link, which allows two-way serial communications with other controllers using ASCII messages
- Event button capability ("Scenes" or "Macros") allows a series of commands to be executed at once, to create lighting scenes, occupancy modes, adjust temperatures, etc. initiated by:
 - a console, computer, web-browser, or telephone command
 - a zone open or closed, a mode change (i.e. day, away, vacation)
 - a particular user code entered
 - a time schedule, sunrise, sunset
 - incoming power line carrier, RS-232 or contact closure signals
 - other internal and external events
- Enhanced ACP includes new commands for "real time pricing" of energy costs, and allows two conditionals per line for easier programming
- Automatic Daylight Savings, global sunrise/sunset calculator
- Expansion port for future SCP, UPnP, LonWorks or other interface
- Ethernet port

SECURITY FEATURES

- 16 zones, expandable to 176 zones:
 - supports two 10A06 16 zone hardwire expanders
 - up to eight 17A00 16 zone expansion enclosures
 - up to two 12A00 64 zone Supervised Wireless Receivers
 - full selection of security zone types, keyswitch
 - outdoor temperature, energy saver module
 - temperature control and/or alarm
 - auxiliary input for automation use (without security)
 - all zones support 4 wire smoke detectors
 - zones 1 - 4 support 2 wire smoke detectors

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- 8 Hardwire Outputs, expandable to 136, fully configurable for:
 - control output for automation
 - temperature control
 - long range radio
 - armed, OK to arm, and others
- LCD Consoles
 - Surface, flush and universal models available
 - 4 wire connection, independent operation, 16 maximum
 - configurable beeper, viewing angle, backlighting
- True Partitions: security and automation can be partitioned into 8 areas
- Seven security modes: off, day, day-instant, night, night-delayed, away, vacation
- 99 user codes with selectable authority 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 help exit in case of fire, or frighten intruder away
- Outdoor lights flashing when alarm is tripped to alert neighbors and police
- Entry, exit and outdoor siren delays user programmable
- Entry delay can be doubled or quadrupled on a zone to accommodate garage and back doors
- Pre-alarm beeper and separate indoor siren outputs give owner time to turn off alarm before outdoor siren is activated
- System announces type and location of alarm with optional two-way voice module
- Auto-bypass feature means alarm won't go off unexpectedly if door or window is left open when the system is armed
- Trouble conditions indicated on display
- Phone line monitor
- Optional Wireless Receiver is fully supervised for greatest reliability
- High Security Mode for commercial applications
- All fire and burglary zones are fully supervised
- Event Log with time and date

TELEPHONE CONTROL FEATURES

- Works with Touch-Tone phones inside or away from the premises with access code
- Compatible with answering machines, answering services
- From any phone you can:
 - change modes, temperatures, macros, units
 - arm/disarm security, bypass and restore zones
 - hear complete status of system, outdoor temperature
 - hear event log and help menu
- Lockout feature discourages tampering with the system by phone
- Listen in/talk to premises with optional two-way voice module

DIGITAL DIALER FEATURES

- Contact ID, 4/2, 3/1 dual round compared formats
- Two phone numbers, two account numbers
- Opening/Closing reports by user code

VOICE DIALER FEATURES

- Dials up to 8 user programmable numbers and reports type and location of alarm
- Called party can cancel dial out by entering code
- Voice dialer is delayed by 5 minutes if digital dialer is used to allow central station to call back
- Can call pagers, and be programmed to make a voice call based on a non-alarm event (example: call when children arrive home; call if "no activity" for elderly care)

RELIABILITY FEATURES

- Designed for continuous, trouble free operation
- Verifies smoke detectors by cycling power and confirming smoke alarm

- System reads resistance of each zone independently to detect trouble in sensor or wiring before it causes false alarms
- Fuse-less design, short circuit proof power supply and outputs, reset button for shorted outputs, short circuit indicator light
- Programmable delay to preclude false alarms from user error
- All inputs protected against static, RFI, surges and lightning
- Watchdog timer, non-volatile EEPROM storage for all programs, self diagnostic software, low voltage cut out for system integrity

EASE OF USE FEATURES

- Text and voice descriptions for all zones, units, codes, macros, temperatures, messages, areas.
- Console display shows menus to guide users during use
- Minimum keystrokes for common functions
- Quick mode change feature
- Optional wireless keyfob for arming and control available
- 500+ word speech vocabulary plus user-recordable phrases

COMPUTER INTERFACE

- Ethernet Port built-in for connection to network
- Three built-in serial ports support Omni-Link and Pro-Link, with jumper selectable RS-232 or RS-485. Can be used for programming, monitoring, connection to HAI Web-Link II, personal computers, Connectivity Partner options such as touchscreens, voice recognition, infra-red controls.
- Built in high speed modem (V32.bis) for local or remote (with security code) access to system using personal computer and HAI PAccess software
- Everything in OmniPro II can be programmed using HAI PAccess software for personal computer

PART NUMBERS

- 20A00-2: OmniPro II controller
- 20A00-4: OmniPro II commercial controller
- 1108: Web Link II, 1105: HAI PAccess, 1106: End User PAccess
- 12A00: Supervised Wireless Rcvr, 10A11: Two-Way Voice Module
- 10A06: 16 Zone Hardwire Expansion Module
- 17A00: 16 Zone / 16 Output Expansion Enclosure
- 25A00-2: ALC Lighting Control Interface (4 branch)
- Power Supply: Requires 24 VAC transformer, 50/60 Hz, 40 VA
- Battery: 12V, 7 Ah sealed rechargeable

APPROVALS

- UL Residential Fire and Burglary
- UL Commercial Burglary
- FCC (USA)
- ICCS-03 (Canada)
- CE (Europe): EN50081-1, EN50082-1, EN50130-4, EN55022 Electromagnetic Compatibility, Emissions and Immunity
- California State Fire Marshall



For More Information on HAI Products & Applications go to:

www.homeauto.com