

# *Tomorrow's Technology Today*



## *Low Voltage Electronic Specialist*

### TIPS FOR VIEWING THIS PRESENTATION:

1. Take advantage of the built-in **Table of Contents** by clicking on the **palette icon** (show/hide navigation pane) located just to the right of the printer icon. Or you can go up to **WINDOW...** then select **Show Bookmarks**.
2. After selecting from the menu on the left, click on the palette icon once more and the selected section will open full screen for easy viewing.
3. To go to a website on the Internet from this pdf file, right click on the web or email address, then select **"Open Weblink in Browser"**.



The **OmniPro II** is HAI's flagship Integrated Facilities Management System. 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 conditioning, 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 PC Access, 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 and web-enabled TV's.

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 PC Access** 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
- 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, LanWorks 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, key switch
  - 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

- 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
- Lockout feature discourages tampering with system by phone
- Listen-in / talk to premises with optional two way voice module

#### **From any phone, you can:**

- Change modes, temperatures, macros
- Arm/disarm security, bypass and restore zones
- Hear complete status of system
- Hear event log and help menu

### **DIGITAL DIALER FEATURES**

- Contact ID, 4/2 and 3/1 formats, dual round compared
- Two phone numbers with 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)

## **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 record-able 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 access to system using personal computer and HAI PC Access software

## 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



**American Industries Corp.** is the Authorized Dealer for **HAI** in the Hawaiian Islands. We have partnered with All Island Security to provide a complete suite of modern electronic technologies for new and existing homes. Those products and services are very affordable and include the following:

- Structured wiring packages including fiber optic cabling
- Security, cameras, cctv, and remote video surveillance
- Lifestyle Control Automation
- Touch Screen Upgrade Option
- Whole-House Stereo
- Multi-Source Whole-House Stereo

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