

# *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.
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The **OMNI LT** <sup>TM</sup> **AUTOMATION** is an **Integrated Facilities Management System** for homes and small businesses. The system provides enhanced **comfort, safety, convenience and energy savings** by coordinating lighting, heating and air, security, scenes and messaging based on lifestyles and schedules. At the heart of the OmniLT is HAI's Advanced Control Programming (ACP) system that allows features to be programmed in the controller.

OmniLT 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 home can be controlled and programmed by the dealer or the homeowner, 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.

OmniLT has a built-in serial interface for connection to the Internet via HAI Web-Link II, personal computers and options like touchscreens, voice recognition and home theater controls. OmniLT features telephone accessibility from within the home or a remote location with clear voice menus for convenience and simplicity. The built-in digital communicator reports alarm events to a central station and can dial up to 8 additional phone numbers chosen by the home owner for voice notification.

An ideal and economical choice for homes, townhouses, condos, apartments and small businesses, OmniLT is the latest addition to HAI's best-selling Omni product line. It supports numerous Omni family accessories, including a complete line of fully communicating thermostats.

## AUTOMATION FEATURES

- Controls up to 26 different lights, appliances or groups: 16 via power line carrier control modules or optional ALC hardwire lighting modules, 2 (expandable to 10) hardwired to OmniLT controller
- Temperature control for 2 HAI Omnistat thermostats
- Dedicated thermostat interface (does not use a zone or output) 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 8 Temperature Sensors or PESMs
- 2-Way X-10 allows OmniLT to receive signals for use as program triggers, features collision detection and retry for reliability
- Lights can be set to scenes of varying brightness, with Direct Dim and Scene Support for advanced home theater lighting control
- Lights, control outputs, temperatures and security modes can be scheduled by time, sunrise, sunset, and date or day of week and various system events.
- 100 lines of non volatile control program storage
  
- Commands (immediate and scheduled) include:
  - On, off, dim, brighten, level, (and ramp rate for ALC)
  - Timed on, off, dim, bright
  - Change settings, mode, fan for thermostats
  - Change system modes, zone status, flags
  - Display a message on console, place a phone call
  - Activate a button (macro)
  
- Event button capability ("Scenes" or "macros") allows a series of commands to be executed at once, to create lighting scenes, house modes, adjust temperatures, etc., initiated by:
  - A console command
  - A telephone command
  - A zone opened or closed
  - A mode change (i.e. day, away vacation)
  - A particular user code entered
  - A time schedule

- Scheduling commands and Event buttons can be conditional zed (made to execute only if the condition is true) by sunrise/sunset, time clocks, zones open or closed, mode, flags, more
- Expansion port for future CEBus, Echelon or other interface

## SECURITY FEATURES

- 8 Zones, expandable to 24, fully configurable for:
  - Full selection of security zone types
  - Outdoor temperature
  - Energy saver module
  - Temperature control and/or alarm
  - Auxiliary input for automation use (without security)
  - Key switch
  - Zone 8 supports 2 and 4 wire smoke detectors
- 2 Hardwire Outputs, expandable to 10, fully configurable for:
  - Control output for automation
  - Smoke detector power and reset
  - Temperature control
  - Long range radio
  - Armed, OK to arm, and others
- LCD Consoles
  - Surface, flush and universal models available.
  - 4 wire connection, independent operation, and 4 maximum.
  - Configurable beeper, viewing angle, backlighting
- Five modes: off, day, night, away, vacation
- 8 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 frighten intruder away

- Outdoor lights flashing when alarm is tripped to alert neighbors and police
- Entry and Exit delays user programmable
- Entry delay can be doubled or quadrupled on a zone to accommodate garage and back doors.
- Pre-alarm beeper in console gives owner time to turn alarm off before outdoor siren is activated
- Supervised siren output detects shorted or cut wire to siren
- System Announces type and location of alarm with optional 2-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 in English on display for: zone and system trouble, AC Power off, battery low, phone line dead
- 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 & 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
  - Change temperatures

- Arm/disarm security, bypass and restore zones
- Activate macro buttons
- Hear complete status of system
- Hear event log and help menu
- Lockout feature discourages tampering with system by phone
- Listen-in / talk to premises with optional two way voice module

## **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**

- 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
- OmniLT 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 due to faulty sensor or wiring before it causes false alarms
- Pulse count feature precludes false alarms due to static, transients and lightning
- Programmable delay to preclude 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, self protecting power supply for system integrity

## **EASE OF USE FEATURES**

- Text descriptions for all zones, units, codes, and macros
- Voice descriptions on telephone
- 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
- Web Browser Graphical Display (HAI Web-Link II) available

## **TECHNICAL**

- Power supply: Requires 16 VAC transformer, 50/60 Hz
- Recommended battery: 12 V, 4 Ah sealed rechargeable

## **COMPUTER INTERFACE**

- Built in Omni-Link serial interface, with jumper selectable RS-232 or RS-485. Can be used for programming, connection to HAI Web-Link II, personal computers, Connectivity Partner options
- 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**

- HAI Web-Link II Internet and Local Area Network software (Windows)
- HAI PC Access configuration, monitoring and programming software (Windows)
- 16 Zone Supervised Wireless Receiver
- 2-Way Voice Module
- 16 Zone / 8 Output hardwire expansion card
- ALC Hardwire Lighting Control Module

## APPROVALS

- UL Residential Fire and Burglary
- FCC Part 15J, Part 68
- I S-60 (Canada)
- California State Fire Marshall
- CE (European Standard)



**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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