# The Omni LTe Controller

The Omni LTe is a full sized HAI home control board with flash memory and five serial ports, as well as an Ethernet port for remote access. The system provides enhanced comfort, safety, convenience, and energy savings by coordinating audio/video, lighting, heating and air, security, scenes and messaging based on activity and schedule.



*20A00-70 HAI Omni LTe in Enclosure*

## SECURITY:

Omni LTe controllers are UL Listed, CP-01 compliant security and fire systems. They detect intrusion, smoke and fire, carbon monoxide, water, vehicles, motion, and other hazards with wireless or wired sensors. Security zones are fully configurable and expandable. You may set the validity of user codes by time and authority. For example, the security code or access card for the nanny, housekeeper, or contractor only works during specified times. The Omni LTe supervises zones, battery, and bell circuits.



*20A00-72 HAI Omni LTe for Structured Wiring Enclosures*



*20A00-73 HAI Omni LTe – Board Only*

Surveillance cameras may be added to Omni LTe systems. Automatically display live video feed on the Touchscreen or television when the doorbell rings. Activate video recording when an alarm trips, and send an alert to a cell phone or e-mail address. Omni LTe systems have 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.
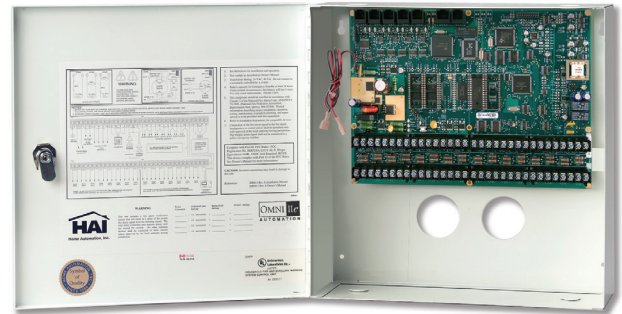
## LIGHTING:

The Omni LTe system can control your home lighting by schedule, motion detection, door openings, sunrise, sunset, alarm activation and more. It provides the benefits of a sophisticated lighting control system by setting scenes, fades, and dimming levels.
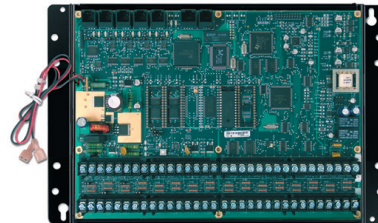
Omni LTe supports HAI by Leviton Lighting Control products including HLC, Omni-Bus, Vizia RF, Z-Wave, and ZigBee. Supported products include dimmers, switches, remote controls, and plug-in modules.
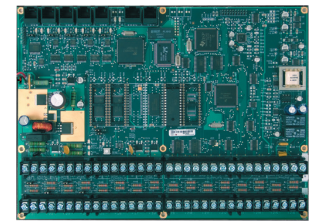
## ENERGY MANAGEMENT:

If you add HAI's Omnistat2 wireless or wired communicating thermostats, you may control your home's temperatures through your Omni LTe system by schedule and activity— such as home, asleep, away, room occupancy, outdoor temperature, etc. HAI temperature and humidity

sensors allow for temperature based programming of events in your Omni LTe controller. They may be used to activate programs for controlling temperatures in attics, garages, greenhouses, basements, wine cellars, or coolers. ZigBee devices allow for control of water heaters, pumps, fountains, and much more.

## AUDIO/VIDEO:

An Omni LTe may be connected to a Hi-Fi 2 whole home audio system. Use the Bluetooth Remote Input Module to stream music from your iPhone or Android phone throughout the entire home or business. Use a home telephone to make an announcement through the audio speakers, such as calling the kids downstairs for dinner. The Home Theater Extender 2 may also be added. Automate equipment based on schedule or push one button on your phone or Touchscreen to activate appropriate A/V equipment, lower a projection screen, close the window coverings, adjust the temperature, dim the lights, and lock all doors.

## INTERFACE OPTIONS:

Within the home or business, Touchscreens offer the ability to control every sub-system as well as provide VoIP intercom functionality. The Omni LTe may be controlled remotely from a PC, laptop, tablet, smartphone, or e-Reader. Apps exist for Android, iOS, and Windows devices.

**OMNI LTe CONTROLLERS**

*LTe supports the following protocols and products: X-10, UPB, Omni-Bus, ZigBee, Vizia RF Z-Wave, Clipsal C-Bus, Dynalite, Coolmaster, KNX, HAI Hi-Fi, HAI Hi-Fi 2*

# PRODUCT SPECIFICATIONS

| | |
|---|---|
| HAI Lighting/Rooms | 4 |
| Lighting Scenes | 32 |
| Lighting Addresses | 32 |
| Zones | 16 |
| Zone Expansion Total | 32 |
| 2 wire smoke loops | 4 |
| 4 wire smokes | 16 |
| Thermostats | 4 |
| Consoles / Keypads * | 4 |
| OmniTouch 5.7 Touchscreens | 3 |
| IP Touchscreens (5.7e, OmniTouch Pro) | 16 |
| 12 volt triggers | 8 |
| User Settings | 10 |
| Access Control Card Readers | 4 |
| Access Control Card / Key Tag | 16 |
| Serial ports | 5 |
| Ethernet port | Yes |
| Audio Control | HAI Hi-Fi, HAI Hi-Fi 2 |
| Flash Memory | Yes |
| User Codes | 16 |
| Programming Lines | 300 |
| Vocabulary | 550 |
| Custom Vocabulary | No |
| Depluggable Terminal Strips | Yes |
| Format | Contact ID, 4/2, 3/1 |
| Transformer Required | 24V (40VA) |
| Battery (Typical) | 12V (7Ah) |
| Aux current Max | 1A |
| Bell current max | 1A |
| Aux current (UL 24 hr) | 250mA |
| Bell current (UL 24 hr) | 300mA |
| Number of 16 Zone Hardwire Expanders (10A06-1) Supported | 0 |
| Number of Expansion Boards (17A00-x) Supported | 0 |
| Number of Expansion Boards (22A00-1) Supported | 0 |
| Number of Wireless Receivers (45A00-1 or 42A00-1) Supported | 1 |
| UL Listing | Res Burglar/Fire |
| Warranty | 2 years |

OMNI LTe CONTROLLERS

* System must have one console (#33A00) to meet UL requirements.

# PRODUCT SPECIFICATIONS – WIRING DIAGRAM

**CONTROLLER – IN ENCLOSURE**
13.25" W x 13.375" H x 4.625" D
Approximate Weight: 13.30 lbs

**CONTROLLER – BOARD ONLY**
11.0" W x 8.0" H x 1.25" D
Approximate Weight: 1.6 lbs

**SERIAL PORTS**
HAI Lighting Control UPB PIM (#36A00-1)
Leviton Z-Wave (#VRCOP), HAI ZigBee (#81A00-3)
KNX Gateway, 97A00-1
Access Control Readers (#75A00, #54A00)
Clipsal, Dynalite, Coolmaster, Serial Connectivity
Cable (#36A05-4), Serial to PC Cable (#21A05-2)

**AUDIO**
Omni Console w/ Spkr/Mic #(33A00-4)
Surface Speaker/Mic (#28A00-1)
Flush Speaker/Mic (#28A00-2)
Two-Way Voice Module (#10A11-1)

**ETHERNET PORT**
Snaplink for Windows,
Snaplink Mobile for Android/
iPhone and iOS, PC Access,
OmniTouch 5.7e Touchscreen,
OmniTouch Pro, HAI Omni-Bus

**12V BATTERY**

Two-Way X-10
Interface Kit

**EARTH GROUND**

**TRANSFORMER 24V/40VA**

**TELEPHONE
INTERFACE**
• Land line
• Cellular
  Communications
  Center (#70A00)
• PC Access

**USER INTERFACE**
OmniTouch 5.7 Touchscreen

Omni Cosoles (#33A00)

**EXPANSION**
HAI Wireless Receiver (#45A00-1)
Wireless Receiver for GE (#42A00-2)

**SECURITY & ENERGY MANAGEMENT**
Temperature Sensor (#31A00-7)
Temperature/Humidity Sensor (#31A00-8)
Standard Security/Fire/Environmental
Sensors

**COMFORT & CONVENIENCE**
Omnistat2 Thermostats

HAI makes Visio stencils available to our dealers. HAI
Omni systems are designed for professional installation.
Licensing requirements vary by area.

**OMNI LTe CONTROLLERS**

RoHS COMPLIANT · UL · CE · California Title 24 Compliant · CP-01 Compliant

| 20A00-70 | **Omni LTe Controller**<br><br>Includes an Omni LTe home control system with enclosure, lock set with two keys, RJ31X cord and jack, and manuals. |
|---|---|
| 20A00-72 | **Omni LTe Controller for Structured Wiring Enclosures**<br><br>This model comes with an Omni LTe controller on structured wiring enclosure mounting plate, RJ31X cord and jack, manuals, accessory kit, and a wiring diagram for the enclosure door.<br><br>**Foreign language versions:** Arabic (AR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), French (FR), German (GER), Hebrew (HE), Italian (IT), Portuguese (POR), Russian (RU), Latin American Spanish (SPA), and European Spanish (SPE). |
| 20A00-73 | **Omni LTe Board Only**<br><br>**Foreign language versions:** Arabic (AR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), French (FR), German (GER), Hebrew (HE), Italian (IT), Portuguese (POR), Russian (RU), Latin American Spanish (SPA), and European Spanish (SPE). |

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