

## **PRODUCT SPECIFICATIONS**

# The Omni LTe Home 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.

#### 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.

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



20A00-70 HAI Omni LTe in Enclosure







20A00-73 HAI Omni LTe -Board Only

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.



# **PRODUCT SPECIFICATIONS**

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 HH-FI; HAI HI-FI 2           Flash Memory         Yes           User Codes         16           Programming Lines         300           Vocabulary         550           Custom Vocabulary         550           Custom Vocabulary         Yes           Deplugable Terminal Strips         Yes           Format         Contact ID, 4/2, 3/1           Transformer Required         24V (40VA)           Battery (Typical)         1A	HAI Lighting/Rooms	4
Zone   16   Zone Expansion Total   32   2   2   2   2   2   2   2   2	Lighting Scenes	32
Zone Expansion Total   32   32   32   32   32   32   32   3	Lighting Addresses	32
2 wire smoke loops 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 Vese Vocabulary User Codes 16 Programming Lines 300 Vocabulary Social Transformer Required 12 volt V (40VA) Battery (Typical) Aux current Max 1A Bell current max Aux current (UL 24 hr) Bell current wire Expanders (10 A06-1) Supported Number of Expansion Boards (22A00-1) Supported Number of Expansion Boards (12A500-1) Supported UL Listing Res Burglar/Fire	Zones	16
### ### ### ### ### ### ### ### ### ##	Zone Expansion Total	32
Thermostats	2 wire smoke loops	4
Consoles   Keypads	4 wire smokes	16
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 Ht-Fi, HAI Ht-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)         300mA           Number of 16 Zone Hardwire         0           Expanders (10A06-1) Supported         0           Number of Expansion Boards         0           (22A00-1) Supported         1           Number of Wieeless Receivers         1 <tr< td=""><td>Thermostats</td><td>4</td></tr<>	Thermostats	4
	Consoles / Keypads *	4
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)   300mA     Number of 16 Zone Hardwire     Expanders (10A06-1) Supported     Number of Expansion Boards (12A00-1) Supported     UL Listing   Res Burglar/Fire     Control Card Readers   1     Control Card Readers   1	OmniTouch 5.7 Touchscreens	3
User Settings	IP Touchscreens (5.7e, OmniTouch Pro)	16
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       0         Expanders (10A06-1) Supported       0         Number of Expansion Boards       0         (17A00-x) Supported       0         Number of Wireless Receivers       1         (45A00-1 or 42A00-1) Supported       0         UL Listing       Res Burglar/Fire	12 volt triggers	8
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)         300mA           Bell current (UL 24 hr)         300mA           Number of 16 Zone Hardwire         0           Expanders (10A06-1) Supported         0           Number of Expansion Boards         0           (12A00-1) Supported         0           Number of Wireless Receivers         1           (45A00-1 or 42A00-1) Supported         1           UL Listing         Res Burglar/Fire	<b>User Settings</b>	10
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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         0           Expanders (10A06-1) Supported         0           Number of Expansion Boards (17A00-x) Supported         0           Number of Wireless Receivers (45A00-1) Supported         1           UL Listing         Res Burglar/Fire	Access Control Card / Key Tag	16
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 Number of Expansion Boards (2A00-1) Supported Number of Wireless Receivers (45A00-1 or 42A00-1) Supported UL Listing Res Burglar/Fire	Serial ports	5
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   0     Expanders (10A06-1) Supported     Number of Expansion Boards   (17A00-x) Supported     Number of Wireless Receivers   1     (45A00-1 or 42A00-1) Supported     UL Listing   Res Burglar/Fire	Ethernet port	Yes
User Codes Programming Lines 300 Vocabulary 550 Custom Vocabulary No Depluggable Terminal Strips Format Contact ID, 4/2, 3/1 Transformer Required 24V (40VA) Battery (Typical) Aux current Max 1A Bell current max 1A Aux current (UL 24 hr) Bell current (UL 24 hr) Bell current (UL 24 hr) Contact ID, 4/2, 3/1 Transformer Required 0 Expanders (10A06-1) Supported Number of 16 Zone Hardwire Expanders (10A06-1) Supported Number of Expansion Boards (17A00-x) Supported Number of Expansion Boards (22A00-1) Supported Number of Wireless Receivers (45A00-1 or 42A00-1) Supported UL Listing Res Burglar/Fire	Audio Control	HAI Hi-Fi, HAI Hi-Fi 2
Programming Lines  Vocabulary  S50  Custom Vocabulary  No  Depluggable Terminal Strips  Yes  Format  Contact ID, 4/2, 3/1  Transformer Required  Battery (Typical)  Aux current Max  IA  Bell current max  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Bell current (UL 24 hr)  S00mA  Number of 16 Zone Hardwire Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	Flash Memory	Yes
Vocabulary  Custom Vocabulary  Depluggable Terminal Strips  Format  Contact ID, 4/2, 3/1  Transformer Required  Battery (Typical)  Aux current Max  Bell current max  1A  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Sumber of 16 Zone Hardwire  Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	User Codes	16
Custom Vocabulary  Depluggable Terminal Strips  Format  Contact ID, 4/2, 3/1  Transformer Required  Battery (Typical)  Aux current Max  Bell current max  1A  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Bumber of 16 Zone Hardwire  Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (12A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	Programming Lines	300
Depluggable Terminal Strips  Format  Contact ID, 4/2, 3/1  Transformer Required  24V (40VA)  Battery (Typical)  Aux current Max  Bell current max  1A  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Bell current (UL 24 hr)  Bell current (UL 24 hr)  SoomA  Bell current (UL 24 hr)  Number of 16 Zone Hardwire  Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	Vocabulary	550
Format  Transformer Required  Battery (Typical)  Aux current Max  Bell current max  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Supported  Number of 16 Zone Hardwire  Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	Custom Vocabulary	No
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 0 Expanders (10A06-1) Supported Number of Expansion Boards 0 (17A00-x) Supported Number of Expansion Boards 0 (22A00-1) Supported Number of Wireless Receivers 1 (45A00-1 or 42A00-1) Supported UL Listing Res Burglar/Fire	Depluggable Terminal Strips	Yes
Battery (Typical)  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  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	Format	Contact ID, 4/2, 3/1
Aux current Max  Bell current max  1A  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Soloma  Number of 16 Zone Hardwire  Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  1A  1A  1A  1A  250mA  300mA  0  0  0  10  11  11  12  13  14  14  15  16  16  17  18  18  18  19  19  19  19  19  19  19	Transformer Required	24V (40VA)
Bell current (UL 24 hr)  Aux current (UL 24 hr)  Bell current (UL 24 hr)  Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  1A  250mA  300mA  0  0  0  10  10  10  10  10  10  10	Battery (Typical)	12V (7Ah)
Aux current (UL 24 hr)  Bell current (UL 24 hr)  Number of 16 Zone Hardwire  Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  250mA  300mA  0  0  Capported  1  Capported  Res Burglar/Fire	Aux current Max	1A
Bell current (UL 24 hr)  Number of 16 Zone Hardwire Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  300mA  0  0  Expansion Boards 0  Res Burglar/Fire	Bell current max	1A
Number of 16 Zone Hardwire Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  O  Res Burglar/Fire	Aux current (UL 24 hr)	250mA
Expanders (10A06-1) Supported  Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	Bell current (UL 24 hr)	300mA
Number of Expansion Boards (17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire		0
(17A00-x) Supported  Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire		
Number of Expansion Boards (22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire		0
(22A00-1) Supported  Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire	The second secon	
Number of Wireless Receivers (45A00-1 or 42A00-1) Supported  UL Listing  Res Burglar/Fire		0
(45A00-1 or 42A00-1) Supported  UL Listing Res Burglar/Fire		1
UL Listing Res Burglar/Fire		•
		Res Burglar/Fire

 $<sup>^{\</sup>star}\,\mbox{System}$  must have one console (#33A00) to meet UL requirements.



## PRODUCT SPECIFICATIONS - WIRING DIAGRAM

### **CONTROLLER - IN ENCLOSURE CONTROLLER - BOARD ONLY SERIAL PORTS** 13.25" W x 13.375" H x 4.625" D 11.0" W x 8.0" H x 1.25" D HAI Lighting Control UPB PIM (#36A00-1) Approximate Weight: 13.30 lbs Approximate Weight: 1.6 lbs 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) **ETHERNET PORT AUDIO** Snaplink for Windows, Omni Console w/ Spkr/Mic #(33A00-4) Snaplink Mobile for Android/ Surface Speaker/Mic (#28A00-1) iPhone and iOS, PC Access, Flush Speaker/Mic (#28A00-2) OmniTouch 5.7e Touchscreen, Two-Way Voice Module (#10A11-1) OmniTouch Pro, HAI Omni-Bus Two-Way X-10 Interface Kit **12V BATTERY** TELEPHONE **INTERFACE** • Land line • Cellular Communications Center (#70A00) **EARTH GROUND** PC Access TRANSFORMER 24V/40VA **USER INTERFACE** OmniTouch 5.7 Touchscreen Omni Cosoles (#33A00) **EXPANSION** SECURITY & ENERGY MANAGEMENT COMFORT & CONVENIENCE HAI Wireless Receiver (#45A00-1) Temperature Sensor (#31A00-7) **Omnistat2 Thermostats**

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

Wireless Receiver for GE (#42A00-2)



Temperature/Humidity Sensor (#31A00-8) Standard Security/Fire/Environmental

Sensors





California Title 24

CP-01 Compliant



# **PRODUCT SPECIFICATIONS**

20A00-70	Omni LTe Controller  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  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.  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  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).