

The Omni IIe Controller

Omni IIe is an ideal and economical choice for homes and small businesses.

The system provides enhanced comfort, safety, convenience and energy savings by coordinating audio, lighting, heating and air, security, scenes and messaging based on activity and schedules.

Security

Omni IIe controllers are UL Listed, CP-01 compliant security and fire systems for residential installations and UL Listed for security in commercial installations. They detect intrusion, smoke and fire, carbon monoxide, water, vehicles, motion, and other hazards with wired or wireless 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 for the nanny, housekeeper, or contractor only works during specified times. The Omni IIe supervises zones, battery, and bell circuits. Additionally, Omni IIe systems permit true partitioning for security and control.

Omni IIe 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

Omni IIe supports Leviton Lighting Control products including dimmers, switches, remote controls, and plug-in modules. It provides the benefits of a sophisticated lighting control system by setting scenes, fades, and dimming levels.

Omni IIe controllers have an astronomical clock and automatically adjust for daylight savings time in order to provide accurate dusk to dawn lighting control.



20A00-50 Omni IIe in Enclosure



20A00-52 Omni IIe for
Structured Wiring Enclosures



20A00-53 Omni IIe -
Board Only

Omni IIe supports Leviton Lighting Control products including HLC, Omni-Bus, Vizia RF + Z-Wave, and ZigBee dimmers, switches, remote controls, and plug-in modules. Other lighting protocols from third-party manufacturers may be operated, including Z-Wave™, ZigBee™, ALC hardware, RF, hardwired, and others provided via Connectivity Partners.

Energy Management

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

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

Entertainment

An Omni IIe may be connected to a Hi-Fi2 whole home audio system. It can control on/off, volume, muting, audio source, and many other functions for each audio zone. Use the telephone to make an announcement through Hi-Fi 2, such as calling the kids downstairs for dinner. Automate equipment based on schedule or push one button to activate A/V equipment and adjust other sub-systems.

Surveillance

Surveillance cameras may be added to Omni IIe systems. View and/ or record the nursery, pool area, or front door. Automatically display live video on the Touchscreen when the doorbell rings. View live or recorded video remotely over the Internet or from your Smartphone.

Activate video recording when an alarm trips, and send an alert to a cell phone or e-mail address stating that an alarm has been tripped.

Technical Data Sheet

Omni Iie Controller

20A00-50 / 20A00-52 / 20A00-53



Interface Options

Each Omni Iie installation requires at least one Omni Console (part number 33A00-1) or Omni Console with Built-in Speaker/Microphone (part number 33A00-4).

You may add additional interface options, such as an OmniTouch Touchscreen, to your system. Your Omni Iie has built-in telephone access with voice menu that you may access when you are inside or outside your home. The telephone access also allows your home to contact you in case of alarm or alert. It also has a built-in modem that allows remote programming and status review, which can also be accessed over the Internet using the Ethernet port.

The Omni Iie may be controlled remotely from a PC, laptop, tablet, smartphone, or e-Reader. Choose from one of Leviton's award-winning software options, such as Internet access and control via PC, smartphone, tablet, or e-reader. Leviton's OmniTouch Pro software can even be used on third-party Windows-based Touchscreens.

Accessories

Leviton offers a full line of accessories for Home & Lighting Control, Energy Management, Whole Home Audio, and Interface Options. Accessories may be added at the time of initial installation or later as needs change.

Leviton's wireless supervised security products that replace wired door and window sensors, as well as wired motion and glassbreak detectors. Leviton also makes a four-button keyfob and panic alert pendant to control automation functions or alert authorities.

Adding an optional Two-Way Voice Module to your Omni Iie allows it to make announcements by working in conjunction with a speaker microphone module, or through speakers connected to a distributed audio system. For example, you can have your Omni Iie remind you every Wednesday night at 8:00 pm that tonight is trash night. ■



Technical Data Sheet

Omni Ite Controller

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HLC Lighting/Rooms	8
Lighting Scenes	64
Lighting Addressess	64
Zones	16
Zone Expansion Total	48
2 Wire Smoke Loops	4
4 Wire Smoke Loops	48
Thermostats	4
Consoles (keypads)*	8
IP Touchscreens: OmniTouch 7 / OmniTouchPro	16
12 Volt Triggers (w/ expansions)	8 (8)
Serial Ports	5
Serial Expansion Total	6
Ethernet Port	YES
Audio Control	YES
Flash Memory	YES
User Codes	16
Programming Lines	500
Vocabulary	550
Custom Vocabulary	NO
Depluggable Terminal Strips	YES
Format	Contact ID, 4/2,3/1
Transformer Required	24V (40VA)
Battery (Typical)	12V (7 Ah)
Aux Current Max	1A
Bell Current Max	1A
Aux Current (UL 24hr.)	250 mA
Bell Current (UL 24hr.)	300 mA
Num. of Expansion Boards (10A06-1) Supported	2
Num. of 64 Zone Wireless Receivers (45A00-1 or 42A00-1) Supported**	1
Warranty	2 YEARS

* Systems must include at least one console.

** Wireless Receiver can support 64 transmitters and can report to 16 zones (up to 4 transmitters per zone).

Technical Data Sheet

Omni Ite Controller

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LEVITON

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

HLC Lighting Control UPB PIM (#36A00-1)
Leviton Vizia FR + Z-Wave (#VRCOP)
ZigBee (#81A00-3)
Omni-Bus
Serial to PC Cable (#21A05-2)
Hi-Fi 2 (#95A00)
Access Control Readers (#75A00, #54A00)
Clipsal, Dynalite, Coolmaster, Serial Connectivity Cable (#36A05-4)

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

Snap-Link, Snap-Link Mobile
for Android and iOS, PC Access, OmniTouch 7
Touchscreen, OmniTouch Pro, Omni-Bus

Two-Way X-10

EXPANSION

Zone Expander (#10A06-1)
Serial Board (#10A17-1)

12V BATTERY

EARTH GROUND

TRANSFORMER 24V/40VA

TELEPHONE INTERFACE

- Land line
- Cellular Communications Center (#70A00)
- PC Access

USER INTERFACE

Omni Consoles (#33A00)

EXPANSION

Wireless Receiver (#45A00-1)
Wireless Receiver (#42A00-2)

SECURITY & ENERGY MANAGEMENT

Temperature Sensor (#31A00-7)
Temperature/Humidity Sensor (#31A00-8)
Standard Security/Fire/Environmental Sensors

COMFORT & CONVENIENCE

OmniStat2 Thermostats



California
Title 24
Compliant

CP-01
Compliant

Technical Data Sheet

Omni Iie Controller

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20A00-50	<p>Omni Iie Controller</p> <p>Includes an Omni Iie home control system with enclosure, lock set with two keys, RJ31X cord and jack, and manuals.</p> <p>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).</p>
20A00-52	<p>Omni Iie Controller for Structured Wiring Enclosures</p> <p>Model comes with an Omni Iie controller on structured wiring enclosure mounting plate, UPB™ PIM, RJ31X cord and jack, manuals, accessory kit, and a wiring diagram for the enclosure door.</p> <p>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).</p>
20A00-53	<p>Omni Iie - Board Only</p> <p>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).</p>

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