

The OmniPro II EN50131 and PD6662 Compliant Controller

omni™

APPLICATION

The OmniPro II is the flagship security & automation controller. Designed for large residential and commercial installations, the OmniPro II provides enhanced comfort, safety, convenience, and energy savings by coordinating audio/video, lighting, heating and air, security, scenes, and messaging based on activities and schedules.

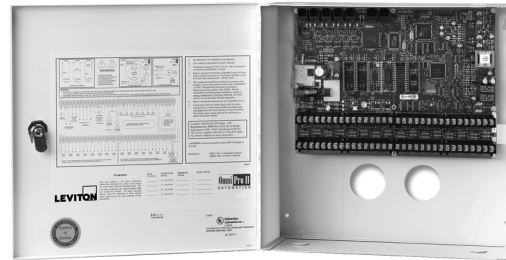
SAFETY & SECURITY

OmniPro II EN50131 Grade 2, and PD6662 security and fire automation controllers are for residential and commercial. The EN50131 version includes special features not found in the standard OmniPro II including arming/disarming methods, shunt lock incorporation, confirmed alarms for police, temporary lockout when entering an invalid code, an enhanced event log, firmware update authorization, double EOL resistor for tamper detection, an entry/exit follower, and adjustment to security code usage and visibility. The Omni EN50131 controller enclosures include required tamper switches, ensuring the door remains closed and that the enclosure remains installed against a solid surface. Additionally, the ENTMP-9EU is used with existing security consoles as a tamper indicator. In EN50131 installations, the security console LED is used as an alert indicator.

The OmniPro II

Detects 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. Security codes for the nanny, housekeeper, or contractor can be set by specific times.



OP202-900 European OmniPro II in an enclosure English: EN50131 Grade 2 and PD6662

The OmniPro II supervises zones, battery, and bell circuits. Additionally, the OmniPro II permits true partitioning for security and control.

Leviton provides a line of supervised wireless security products which include motion and glassbreak detectors.

SURVEILLANCE

Add cameras to the OmniPro II system to view and/or record a nursery, pool area, or entrance. View surveillance video remotely online or from a mobile device such as a smartphone. With an Omni Notifier (20A30-1) send an alert to a cell phone or e-mail.

ACCESS CONTROL

Leviton's Access Control products limit admission to designated areas. Swiping an access reader with an access card or keytag can accomplish multiple functions such as arming/disarming security, activating a door strike to open a door, turning on select lighting, and even playing a music source.

LIGHTING CONTROL

The OmniPro II system can control 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. OmniPro II supports Leviton

Leviton Manufacturing Co., Inc. Global Headquarters

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Leviton Security & Automation.

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PRODUCT DATA

Lighting Control products including HLC, Omni-Bus, Vizia RF +, Z-Wave, and ZigBee. Supported products include dimmers, switches, remote controls, and plug-in modules.

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

ENERGY MANAGEMENT

The OmniPro II system can manage HVAC systems through Omnistat2 Programmable Communicating Thermostats. Use schedule or activity settings such as home, asleep, away, room occupancy, outdoor temperature, etc. Temperature sensors allow for setpoint-based programming of events in your OmniPro II. Setpoints can signal when to activate programs for controlling temperatures in attics, garages, greenhouses, basements, wine cellars, or coolers. ZigBee devices go further to control the power consumption for high wattage loads such as pool pumps and hot water heaters. LCMs also control fountains, ceiling/attic fans, fluorescent lights, motors, and exterior lights.

FEATURES AND BENEFITS

- Detects intrusion, smoke and fire, carbon monoxide, water, and other hazards via wired or wireless sensors
- Built-in digital communicator for use with a central station
- Dials up to eight additional phone numbers for voice notification
- Utilizes IP-based Touchscreens (OmniTouch 7)
- Access remotely via phone, computer, or mobile device

AUDIO/VIDEO

An Omni LTe may be connected to a Leviton 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 telephone to make an announcement through the audio speakers, such as calling the kids downstairs for dinner. The BitWise AV controllers may also be integrated. Automate audio/video 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

Each OmniPro II installation requires at least one Omni Console (part number 33A00-1) or Omni Console with Built-in Speaker/Microphone (part number 33A00-4). For EN50131 compliance, please add the ENTMP-9EU tamper kit.

You may add additional interface options, such as an OmniTouch Touchscreen, to your system. Leviton's Snap-Link Mobile apps for iOS and Android are sold without monthly contracts, fees, or licenses. The optional Omni Notifier can provide free text and email alerts based on security or energy event.

AGENCY STANDARDS AND COMPLIANCE

Class II, Grade 2 equipment for Control and indicating equipment

- EN 50131-1:2006
- EN 50131-3:2009
- EN 50131-6
- PD 6662:2010

TAMPER DETECTION

48 tamper resistors are included for dual EOL tamper detection.

WARRANTY INFORMATION

Three-Year Limited Warranty

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SPECIFICATIONS	
HLC Lighting/Rooms	31
Lighting Scenes	128
Lighting Addresses	256
Zones	16
Zone Expansion Total	176
2 Wire Smoke Loops	4
4 Wire Smoke Loops	176
Thermostats	64
Consoles (Keypads)*	16
IP Touchscreens: OmniTouch 7 / OmniTouchPro	16
12 Volt Triggers (w/ expansions)	8 (136)
Audio Control	Hi-Fi/Conn.Prtnrs
Access Control Card Readers	16
Access Control Card/Keytag	99
Serial Ports	5
Serial Expansion Total	6
Ethernet Port	Yes
Flash Memory	Yes
User Codes	99
Programming Lines	1500
Vocabulary	550
Custom Vocabulary	Yes
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
Total Expansion Boards (10A06-1)	2
Total Expansion Enclosures (17A00-X) / Wireless Receivers (45A00-1/42A00-1)**	8
110V/220V/240V	Yes
Warranty	3 years

* Systems must have one console to meet UL requirements.

** Each wireless receiver can support 64 transmitters which can report to 16, 32, 48, or 64 zones depending on your setup.
Each group of 16 zones counts as one Expansion Enclosure.

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WIRING DIAGRAM

Controller - In Enclosure

13.25" W x 13.375" H x 4.625" D

Approximate Weight: 13.30 lbs

SERIAL PORTS

HLC Lighting Control UPB PIM (#36A00-1)
 Leviton Vizia RF + Z-Wave (#VRCOP)
 ZigBee (#81A00-3)
 Omni-Bus (#117A00-1)
 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
 Touchscreen, OmniTouch Pro, Omni-Bus

12V BATTERY

EARTH GROUND

TRANSFORMER
 24V/40VA

Two-Way
 X-10

TELEPHONE INTERFACE

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

USER INTERFACE

Omni Consoles (#33A00)

EXPANSION

Wireless Receiver (#45A00-1)
 Wireless Receiver for GE (#42A00-2)
 Expansion Enclosure (#17A00)

SECURITY & ENERGY MANAGEMENT

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

COMFORT & CONVENIENCE

OmniStat2 Thermostats

Omni systems are designed for professional installation.
 Licensing requirements vary by area.



California
 Title 24
 Compliant

EN50131
 and
 PD6662
 Compliant

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ORDERING INFORMATION

DESCRIPTION	CAT. NO.
European OmniPro II in an enclosure English: EN50131 Grade 2 and PD6662	OP202-900
European OmniPro II in an enclosure Italian: EN50131 Grade 2 and PD6662	OP202-9IT
European 16 Zone / 16 Output Expander: EN50131 Grade 2 and PD6662	OA179-9EU
European Console tamper kit: for use with 33A00 consoles in EN50131 Grade 2 and PD6662 applications	ENTMP-9EU

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