# OmniPro II
## Technical Sheet

## DESCRIPTION

The OmniPro II is HAI's flagship home control and security system. It is designed for large residences and commercial installations.

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

OmniPro II controllers are CP-01 compliant and UL listed security and fire systems. They detect intrusion, smoke and fire, carbon monoxide, water, 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. You may supervise zones, battery, and bell circuits. Additionally, OmniPro II systems permit true partitioning for

security and control. OmniPro II has 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

An OmniPro II system can control your home lighting by schedule, motion detected, 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 has an astronomical clock and automatically adjusts for daylight savings time in order to always provide accurate dusk to dawn lighting control.

OmniPro II supports HAI Lighting Control (HLC) products, which include dimmers, Scene Switches, and House Status Switches. It can operate lighting devices by other manufacturers, including Z-Wave™ based devices, ALC hardwire,

RF, custom hardwire, and others provided by HAI Connectivity Partners.

## ENERGY MANAGEMENT



If you add HAI's Omnistat Communicating Thermostats, you may control your home's temperatures through your OmniPro II system by schedule and activity - such as home, asleep, away, room occupancy, outdoor temperature, etc.

Using HAI temperature and humidity sensors allow for temperature-based programming of events in your OmniPro II. The temperature may be used to activate programs for controlling temperatures in attics, garages, greenhouses, basements, wine cellars, or coolers.

## WHOLE HOME AUDIO

The OmniPro II may be interfaced with a Hi-Fi by HAI whole home audio system or other audio distribution systems from HAI Connectivity Partners.

The OmniPro II can control on/off, volume, muting, transports, audio source, and many other functions for each audio zone. Features vary based on system.

## INTERFACE OPTIONS

Each OmniPro II installation must include at least one Omni Console (HAI Part Number 33A00-1) or Omni Console with Built-in Speaker/Microphone (HAI Part Number 33A00-4).

Your OmniPro II system has built-in telephone access with voice menu that you may access when you are inside your home or from outside your home. It also has a built-in modem and Ethernet port that allows remote programming and status, including over the Internet.

You may add additional interface options, such as an OmniTouch 5.7 Touchscreen, to your OmniPro II system.

Choose from one of HAI's award-winning software options, such as Internet access and control with Snap-Link or Web-Link II (requires Local Area Network), or Home Control for Windows Media Center.

With Snap-Link or Web-Link II you can securely control your home from any Internet enabled computer. Home Control for Windows Media Center allows you to change settings to your home while sitting on a sofa watching TV.

## ACCESSORIES

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

HAI has a line of wireless supervised security products that replace wired door and window sensors, as well as wired smoke, motion and glassbreak detectors.

Adding an optional Two-Way Voice Module to your OmniPro II allows it to make announcements by working in conjunction with the speakers located in a console/keypad or with a speaker/microphone module. For example, you can have your HAI Home Control System remind you every Wednesday night at 8:00 PM that tonight is trash night. Note that the OmniPro II system has an expanded vocabulary for these voice notifications and announcements.

OmniPro II systems have three built-in serial ports to allow expansion of your system using other HAI products or products from our Connectivity Partners.

| OMNIPRO II SPECS | NUMBER | OMNIPRO II SPECS | NUMBER |
|---|---|---|---|
| Consoles, Keypads & Touchscreens* | 16** | 16 Zone Hardware Expanders | 2 |
| Thermostats | 64 | Expansion Boards | 8 |
| Temperature Sensors | 176 | 64 Zone Wireless Receivers | 8*** |
| Audio Control | Yes | Ethernet Ports | 1 |
| Lighting Scenes | 128 | Depluggable Terminal Strips | Yes |
| Lighting Devices | 256 | Format | Contact ID 4/2 3/1 |
| HAI Lighting/Rooms | 31 | Transformer Required | 24V 40VA |
| Zones | 16 | Battery (Typical) | 12V 7 Ah |
| Zone Expanded Total | 176 | Aux Current Max | 1 A |
| 2 Wire Smoke Loops | 4 | Bell Current Max | 1 A |
| 4 Wire Smokes | 176 | Aux Current (UL 24 hr) | 250 mA |
| 12 Volt Triggers | 8 | Bell Current (UL 24 hr) | 300 mA |
| Expansion Triggers Total | 136 | Warranty | 3 Years |
| User Codes | 99 | | |
| Programming Lines | 1,500 | | |
| Vocabulary | 550 | | |
| Custom Vocabulary | Yes | | |
| Serial Ports (RS232/RS485) | 3 | | |
| Serial Expansion Total | 4 | | |

\* Systems must include at least one console. Each Touchscreen uses 1 console address.

\*\* Recommend using a Touchscreen Hub & Power Supply (HAI Part # 32A30-x) for 3 or more Touchscreens.

\*\*\* Wireless Receiver can support 64 transmitters. Wireless receiver can report to 16, 32, 48, or 64 zones depending on setup. Each group of 16 zones counts as one expansion enclosure.

## OmniPro II Controller

| | | | |
|---|---|---|---|
| In enclosure | **20A00-2** | Spanish In enclosure | **20A00-42** |
| On mounting plate | **20A00-8** | Spanish on mounting plate | **20A00-44** |

**OmniPro II**
**AUTOMATION**

**SERIAL PORTS**

HAI Lighting Control
Serial to PC Cable          **21A05-2**
Serial Connectivity Cable   **36A05-4**
Partner Audio Systems

Hi-Fi by HAI               **62A00-1 or**
                           **62A00-2**

**EXPANSION**

Zone Expander    **10A06-1**
Serial Board     **10A17-1**
ALC Lighting

**AUDIO**

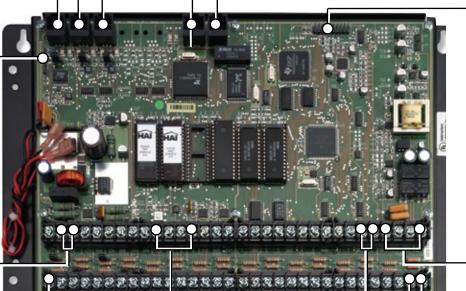| | |
|---|---|
| Omni Console w/ Spkr/Mic | **33A00-4** |
| Surface Speaker/Mic | **28A00-1** |
| Flush Speaker/Mic | **28A00-2** |
| Two-Way Voice Module | **10A11-1** |

**ETHERNET PORT**

See HAI Software Options

2 way X-10 Interface Kit    **10A09-7**

**TRANSFORMER**

24V, 40 VA
(12V Battery)

**USER INTERFACE**

OmniTouch Touchscreens & Consoles

**TELEPHONE INTERFACE**

PC Access
Telephone

**EXPANSION**

| | |
|---|---|
| HAI Wireless | **45A00-1** |
| Wireless Receiver | **42A00-1** |
| Expansion Enclosure | |

**SECURITY & ENERGY MANAGEMENT**

| | |
|---|---|
| Temperature Sensor | **31A00-7** |
| Temperature/Humidity Sensor | **31A00-8** |
| Standard Security/Fire/Environmental Sensors | |

**COMFORT &
CONVENIENCE**

HAI Omnistat thermostats

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# OMNIPRO II PARTS LIST

| Controllers: Description | Part # | Accessories: Description | Part # |
|---|---|---|---|
| OmniPro II Controller | 20A00-2 | 16 Zone Hardwire Expander | 10A06-1 |
| OmniPro II Commercial Controller | 20A00-5 | 4 Relay Module | 10A07-1 |
| OmniPro II Controller for Structured Wiring Enclosures | 20A00-8 | Two-Way X-10 Transceiver Kit | 10A09-7 |
| OmniPro II Board Only | 20A00-21 | Two-Way Voice Module | 10A11-1 |
| OmniPro II Controller (Spanish) | 20A00-42 | RS-232/RS-485 Serial Board | 10A17-1 |
| OmniPro II Controller for Structured Wiring (Spanish) | 20A00-44 | 16 Zone/16 Output Expansion Enclosure | 17A00-1 |
| OmniPro II Kit with Flush Console and Hardwire Expander | Promo15 | 16 Zone/16 Output Expansion Board Only | 17A00-8 |
| OmniPro II Kit for Structured Wiring with Flush Console and Hardwire Expander | Promo15S | 16 Zone/16 Output Expansion Board on a Universal Mounting Plate | 17A00-9 |
| OmniPro II Starter Kit | Promo16 | 8 Relay Module | 19A00-1 |
| | | OmniPro II Chip Upgrade Version X.X | 20A04-2UPG |
| | | OmniPro II Chip Upgrade (Spanish) Version X.X | 20A04-42UPG |
| | | Universal Mounting Plate | 20A07-2 |
| | | Enclosure Lock and 2 Keys | 21A06-1 |