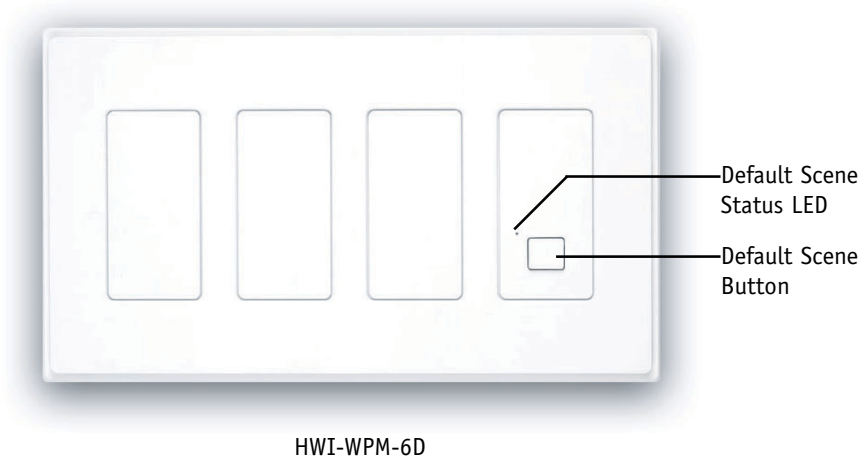


HomeWorks Wired
Wallbox Power Module



DESCRIPTION

The *HomeWorks* Wallbox Power Module (HWI-WPM-6D) controls up to six zones of light. The HWI-WPM-6D will operate the following sources with a continuous Square Law dimming curve or on a full conduction non-dim basis:

Incandescent, Tungsten Halogen, Magnetic Low-Voltage Transformer, Neon/Cold Cathode, and Lutron Tu-Wire® Electronic Fluorescent Dimming Ballasts.

The HWI-WPM-6D will operate the following sources with a continuous Square Law dimming curve through separate power interfaces:

Electronic Low-Voltage Transformer, and Lutron Hi-Lume® or ECO-10™ Electronic Fluorescent Dimming Ballasts.

MODEL NUMBERS

Wallbox Power Modules

HWI-WPM-6D-120	6-zones, 120VAC
HWI-WPM-6D-240	6-zones, 240VAC
HWI-WPM-6D-230CE	6-zones, 230VAC CE Marked

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

SPECIFICATIONS**Input Power**

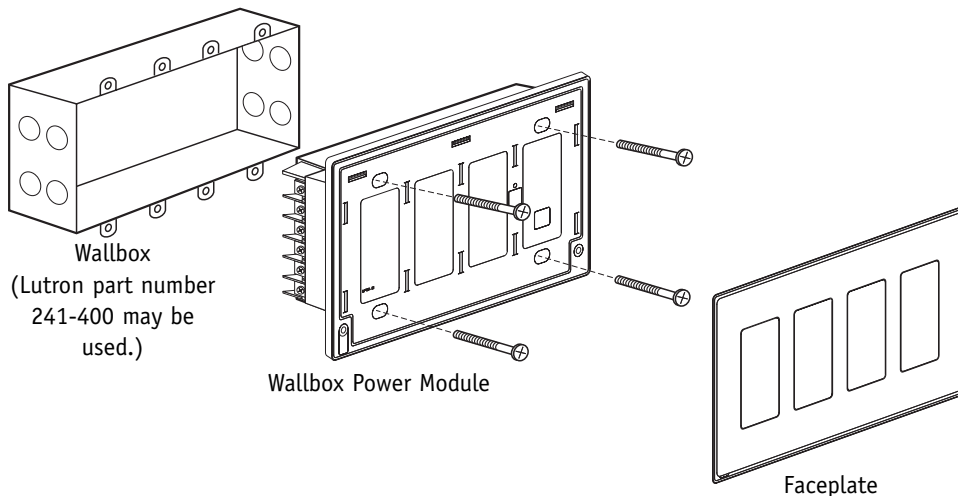
Operating voltage: 120VAC, 220-240VAC (non CE), or 230VAC (CE)
50/60Hz.

Load Capacity

Model	Input Voltage	Zone Capacity	Unit Capacity
HWI-WPM-6D-120	100-127VAC	25-800W/VA	2000W/VA
HWI-WPM-6D-240	220-240VAC	40-1200W/VA	3000W/VA
HWI-WPM-6D-230CE	230VAC	40-800W/VA	2300W/VA

Key Design Features

- Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 801-2.
- Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
- Compensates in real time for incoming line voltage variations: No visible flicker with +/-2% change in RMS voltage/cycle and +/-2% Hz change in frequency/second.
- Provides 10-year power failure memory: Automatically restores lighting to levels prior to power interruption.
- Installs in a 4-gang U.S. wallbox, 3-1/2 in. (89mm) deep recommended, 2-1/4 in. (57mm) deep minimum. (Lutron part number 241-400 may be used).
- Has faceplate that snaps on with no visible means of attachment.

MOUNTING**System Communications and Capacity**

- Low-voltage type Class 2/PELV wiring connects Wallbox Power Modules to *HomeWorks* Wired Processor.
- Each *HomeWorks* Wired Processor has three configurable links, each capable of directly controlling up to 8 Wallbox Power Modules and/or GRAFIK Eye® Main Units.

Connections*Input Power*

Capacity: Nine terminals for line-voltage wiring. Each terminal will accept up to two #12 AWG (2.5mm²) wires.

Class 2/PELV

Capacity: One 4-pin removable terminal block. Each pin will accept up to two #18 AWG (1.0mm²) wires.

Environment

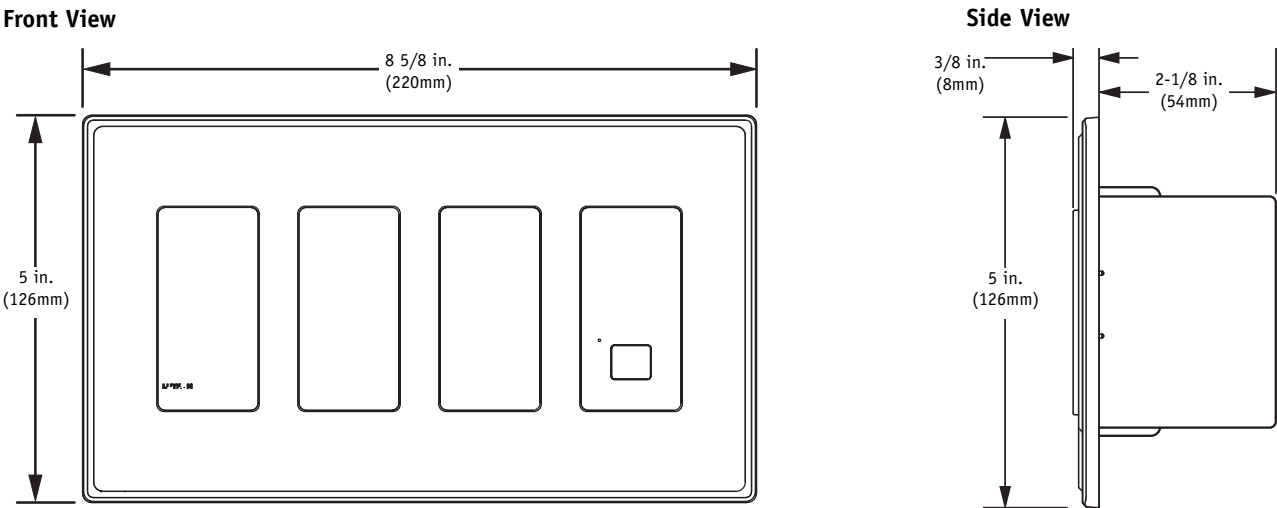
Ambient operating temperature:
0-40°C, 32-104°F, 0-90% humidity, non-condensing. Indoor use only.

Warranty

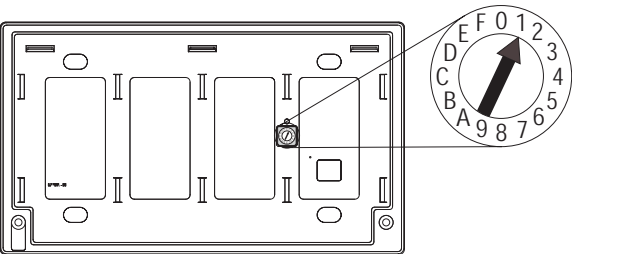
- 8-Year Limited Warranty.

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

DIMENSIONS



Module Detail - Front View
(faceplate removed)

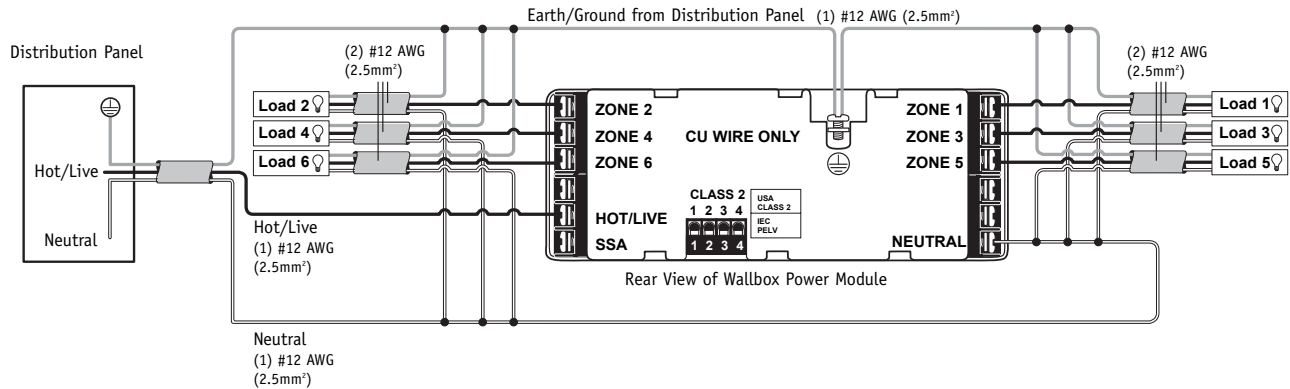


Rotary Address Dial Operation

Position	Module Output / Purpose
0	Internal relay ON, all Zones OFF
1-8	Address for normal operation
9	Zone 1 Full ON, all others OFF
A	Zone 2 Full ON, all others OFF
B	Zone 3 Full ON, all others OFF
C	Zone 4 Full ON, all others OFF
D	Zone 5 Full ON, all others OFF
E	Zone 6 Full ON, all others OFF
F	All Zones Full ON

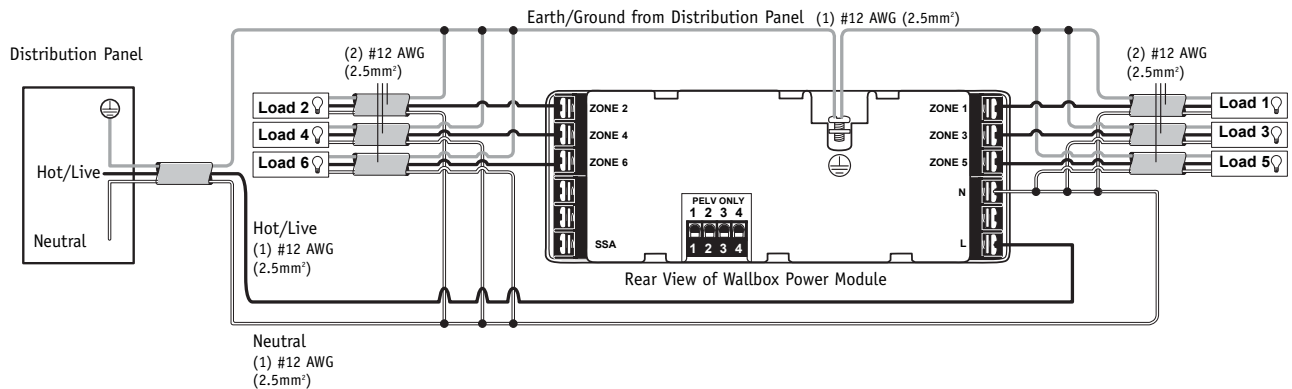
LINE VOLTAGE WIRING (120V, 240V)

Pull power wiring from distribution panel and to light fixtures. Each line voltage terminal can accept up to two #12 AWG (2.5mm²) wires.

**230V (CE) MAINS VOLTAGE WIRING**

Pull power wiring from distribution panel and to light fixtures. Each line voltage terminal can accept up to two #12 AWG (2.5mm²) wires.

For phase-to-phase wiring, connect one phase to Hot/Live and the other phase to Neutral. When wired phase-to-phase, **there is no air gap** when the Wallbox Power Module is Off: the MCB(s) **must** be turned off when servicing the Wallbox Power Module or associated loads.



JOB NAME:

MODEL NUMBERS:

JOB NUMBER:

LOW-VOLTAGE CLASS 2/PELV WIRING

Pull low-voltage Class 2/PELV wiring for system communications.

- Must be daisy-chained.
- Must be less than 2000 feet (610m).
- Must run separately from line (mains) voltage wiring (minimum 1/4 in. (6.4mm) spacing).

Four wires for low-voltage Class2/PELV

- Two #18 AWG (1.0mm²) for control wiring.
- One shielded, twisted pair #18 AWG (1.0mm²) for data link.
- Connection between #2 terminals is not made between Wallbox Power Modules, GRAFIK Eye® Main Units, or the HomeWorks Processor.
- Cable may be ordered from Lutron as GRX-CBL-346S-500.

