

## Unparalleled All-In-One Tamper Resistance, GFCI, AFCI, Overcurrent & Surge Protection With Optional Power Monitoring



### Unparalleled All-In-One Tamper Resistance, GFCI, AFCI, Overcurrent and Surge Protection

#### Standard Features:

- White indoor 4-plex Wall Adaptor
- Decora style outlet
- High-impact resistant thermoplastic construction
- Low profile face
- Test/Reset & LED indicators

#### Optional:

1. PLC compatible power monitoring, reporting & control
2. Communications

<b>AMPS</b>	15 Amp/20 Amp, 125-Volt (Rated at 20 Amps, configurable at assembly to 15A or 20A). 240v Single Phase
<b>WIRING TYPE</b>	-
<b>WIRING</b>	N/A
<b>CONFIGURATION</b>	<b>Straight blade for 15A and rotated for 20A - NOT DRAWN HERE</b>
<b>FUNCTION TYPE</b>	4 Outlet Wall Adaptor with one power line input
<b>GRADE</b>	Residential, Commercial, Industrial, Military, Hospital
<b>GROUNDING TYPE</b>	Grounded
<b>INDOOR/OUTDOOR</b>	Indoor
<b>STATUS LIGHTS</b>	Bi-colour LED to indicate fault condition(s)
<b>MISWIRING</b>	<b><i>If black not connected power is not supplied. LED is off when power not provided.</i></b>
<b>MOUNT LOCATION</b>	Wall
<b>NUMBER OF PRONGS</b>	accepts both 2 or 3 prongs
<b>RECEPTACLE VOLTAGE</b>	125V code



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MODEL: AllSafe™™ All-In-One  
Electrical Receptacle  
15A – 20A  
PRODUCT SHEET

## **An Industry First. Unparalleled Tamper Resistance, GFCI, AFCI, Over-current & Surge Protection.**

The vast majority of power adaptors on the market do not offer even tamper resistance protection, let alone Ground Fault, Arc Fault, over current and surge protection.

Brainwave's AllSafe™ All-In-One wall adaptor allows unparalleled tamper resistance safety in a wall adaptor, providing a safer, superior electronic sensing system to detect the presence of plug blades and help prevent users from electrical shock, burn or electrocution due to insertion of conductive foreign objects into outlet openings or contact with energized parts from unintentional activation of live 125v/240v power when conductive metal objects are inserted.

The AllSafe™ will only activate and provide power safely until simultaneous contact is made by both hot and neutral plug blades and ongoing continuous power and subject to no safety faults being detected.

Not only is Brainwave's GFCI, AFCI, Over-current and Surge Protection electronic rather than electromechanical, resulting in faster response to power faults, but its patent pending technology maintains power in an off state, turning the power on continuously during each cycle (milliseconds), if and only if no fault is detected resulting in increased unparalleled safety.



Ultra Thin 5/8" versus 1.5" for traditional  
AFCI or GFCI receptacles

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## Another Industry First.

### Advanced Power Monitoring & Control with PLC compatibility. Intelligent Sensor 4 Outlet Power Adaptor for Data Acquisition of Voltage and Current

Not only does Brainwave's AllSafe™ All-In-One wall power adaptor provide unparalleled Tamper Resistance, GFCI, AFCI, Over-current and Surge Protection but power can be monitored and controlled.

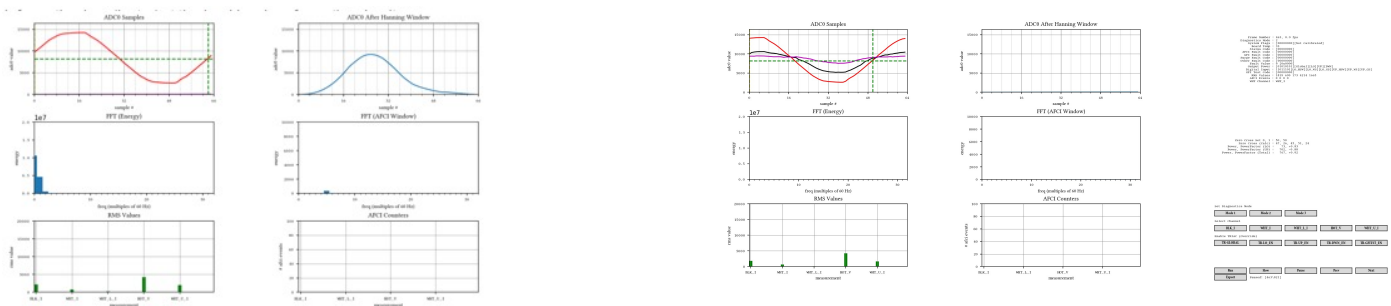
#### APPLICATIONS: From Appliances to Industrial Equipment.

Examples: Hair dryer, toasters, blenders, microwave, motors, vacuum cleaners, air conditioners, dishwashers, clothes dryers, drying cabinets, freezers, refrigerators, kitchen stoves, water heaters, washing machines, trash compactors, microwave ovens, induction cookers and any appliance that can benefit from enhanced safety and power control.

The system module monitors signals in real time: including but not limited to frequency analysis and phase relationships. actual power consumed, reactive power, power factor.

Information is collected at the load level, or for entire circuits.

Software collects and reports true energy use and equipment power use profiles, in real time or for subsequent analysis. All the data can be recorded & replayed back.



Example: The hot volts is being monitored. (e.g. can see FFT; arc related info is coming out here)



MULTIPLE SIGNALS – HOT VOLTS & CURRENTS  
 INCLUDING POWER FACTOR REPORTING

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