



# Trusted Protection Against Supply Voltage Variations



Specifications	
Power Handling	1500W
Operating Voltage	230V 50Hz
Response time	< 1Sec
Certifications	<b>ACCIMT</b>
Warranty	1 Year
Status Indication	LED Display
Replaceable Parts	Fuse 5A
Fuse type	Cylindrical Glass type
Spare Fuse	Yes
Installation	Indoor
Dimensions (cm)	16 x 8 x 4
Weight	390g
Detachable Extension Cord	1 ½ m
Additional Grounding Requirement	Not required
Multi Equipment Protection	Yes, through Ext. cord
Country of Manufacture	Sri Lanka
Shielded Chassis	Yes

Designed, Engineered and Manufactured in Sri Lanka by Bravo Solutions, Bravo Programmable Digital Power Guard “DigiGUARD™” possesses proven protection with innovative technology backed by Comnet Labs Sweden, designed to provide Over Voltage, Surge, Under Voltage (sag, brown-out) and Overload protection at the AC mains. Bravo DigiGUARD™ is a totally unique fully automatic micro-processor controlled protective device, factory set to provide a safe operating window for the directly connected equipment. It is designed for a 230Volt 50Hz AC Mains electrical supply. Its performance is tested and certified by ACCIMT, SINGER and DAMRO in Sri Lanka.

As soon as the AC voltage supply moves outside the safe operating window depicted by the operating mode, it immediately switches OFF power to the protected equipment and remains OFF until a safe mains supply voltage is detected, giving sensitive equipment proper protection when needed. It also provides the connected equipment with a vital minimum time delay before power is restored.

Unlike lower quality products in the market, Bravo DigiGUARD™ is not earth dependent or Amperage imbalance reacting, therefore events such as loss of a Neutral line and the resultant continuous high voltage is rapidly detected and protection is activated in a split second (*Thanks to 8-bit Microprocessor technology*), without damaging your vital electrical or electronic equipment. DigiGUARD™ also indicates the supply voltage variations clearly on the LED screen. This is what we call reliable protection 24/7.

**Display Indicators : Fig-1**

Protection Mode  
Voltage Indication  
Output Status

Features		
• High Voltage and Surge Protection	• Startup Delay bypass	• Indicator Alarms
• Low Voltage Protection	• Voltage re-entry Hysteresis	• Voltage Indication
• 8-bit microcontroller controlled	• Auto resetting Startup Delay	• Overload Protection

**Connection Diagram: Fig-2**

Appliances that can be protected		
<b>Mode P1</b> <i>FridgeGuard</i>	Safe Voltage 180 – 260V Startup Delay 4min	Fridge, Freezer, Bottle Cooler, Mini Fridge.
<b>Mode P2</b> <i>ApplianceGuard</i>	Safe Voltage 170 – 260V No Startup Delay	LED/LCD/Plasma TV, CRT TV, UPS, PC, Laptop, DVR, Water Pump, Blender, Mixer
<b>Mode P3</b> <i>LabGuard</i>	Safe Voltage 200 – 250V No Startup Delay	Critical Laboratory Equipment, Medical Test Equipment, Communications Equipment, Microwave Oven,

**Ordering Information**

Bravo Solutions, 82B, Walaliyadda, Ellakkala 11116, Sri Lanka.  
[www.bravos.com](http://www.bravos.com)

077-0884303 | 071-7804303  
Order Online from our web site or call us for COD options.

Point your smart Phone to the above QR code and go direct to our website

Also, Buy direct from our Dealers, Arpico, Singer, Damro, Quantum Fitness

**Installation and Operation**

Install the DigiGUARD in a dry and dust-free location inaccessible to Children. Never place on ground. Wall mounting is highly recommended. During Power startup, select the proper operating mode using UP/DOWN keys for your desired appliance. Refer to the table “Appliances that can be protected”. The 1<sup>st</sup> digit of the display shows the operating mode. The 2<sup>nd</sup> digit shows the Voltage status. When the supply voltage is in range, the 2<sup>nd</sup> digit will show three horizontal dashes as indicated in Fig-1 and they should stay steady. When the voltage rises above 230V, the dashes will start to rotate clockwise slowly. Higher the voltage goes; the speed of rotation will be proportionally higher. When the voltage exceeds the High side cutoff, the display will indicate “Hi” and the power to the appliance is disconnected. When the voltage goes low, similar display rotation happens but this time in counter-clockwise direction. When the voltage goes below low side cutoff, the display shows “Lo” and power to the appliance is disconnected with an audible single beep.

When the voltage enters the safe region, power is supplied to the appliance automatically. In each operating mode, a sufficient hysteresis and startup delay is given during power ON/OFF. For detailed information, please refer to our web site. Call us during working hours for any assistance.

**Changing the Fuse (Video QR code Below)**

If the Power Guard is not working, it can be a fuse failure. The fuse is designed to get burnt during an Overload or High Voltage condition, thus preventing further damage to the electronics of the DigiGUARD and the connected appliances. The fuse is located inside the power cord connector. To inspect and change the fuse, follow the below procedure; Remove the Power cord and locate the fuse container. Using a flat screwdriver, pull out the fuse compartment as given below. The outer-most fuse is the spare fuse and the inner-most one is the working fuse that might have got damaged. Replace the burnt fuse with a similar size / value fuse and get the DigiGUARD back to working condition.