

3. FEATURES:

- Multiple Outlets Protect Peripherals and Devices.
- Automatically Regulating High Voltage and Low Voltage.
- Able to Reset Input Overload Protection Circuit Breaker.
- User-friendly LCD Display
- Selectable Delay Time Setting (2/10/30s).

4. SPECIFICATION

CAPACITY	VA	3000VA-5000VA
INPUT	Normal Voltage	110/115/120Vac or 220/230/240Vac
	Frequency	50/60Hz
	Input Voltage Range	-25% +20%
OUTPUT	Output Voltage Regulation	+/-10%
	Outlet (AVR plus Surge)	Schuko/Universal/UK/Australian*6pcs ; Nema5-15R/Universal Nema*8pcs
PROTECTION	Modem / Phone Protection	RJ-45/RJ-11
	Overload	Manual Reset Circuit Switch
	Short Circuit	Manual Reset Circuit Switch
DISPLAY	LCD display	I/P & O/P Voltage, Normal/Low Volt./Boost/Buck/High Volt./Overheat/Overload/Delay information
DIMENSION	W*H*D (mm)	150*157*250
ENVIRONMENT	Operating Temperature	0~40°C; 32~104°F; <95% (Non-Condensing)
	Noise Level	< 40dB

MARUSON[®]
AVR SYSTEMS

USER`S MANUAL

Micro AVR 3000/4000/5000LCD



Automatic Voltage Regulator

1st Edition, 2015

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701-0071073 AVR-Maruson-I268-01

1. OVERVIEW:

FRONT PANEL

1. **AVR ON/ OFF switch**:- AVR turn on & turn off
2. LCD Screen



FRONT PANEL

REAR PANEL

1. AVR Regulated plus Surge Protection Outlets

2. Input Circuit Breaker Switch

- Allow for easy recovery from an overload.
- Allow to turn off AVR Input completely.

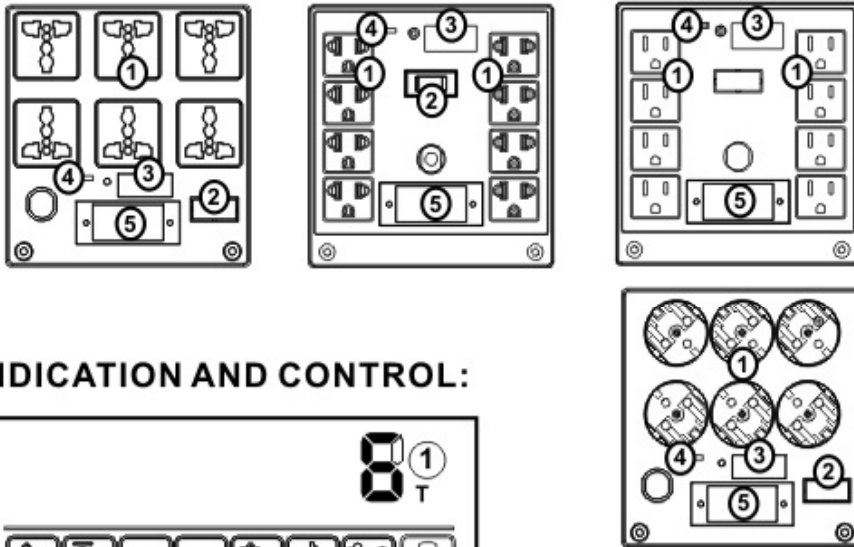
3. Internet, ADSL, Fax/Modem Protection

- Protect your phone and data line from dangerous and costly lightning surges.

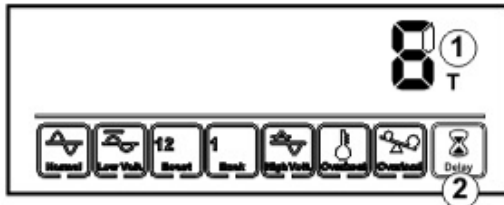
4. Soft Start (Delay Timer) Setting Switch :

- To set different delay time with 2, 10 or 30 seconds per your demand.

5. Utility Power Input



2. INDICATION AND CONTROL:



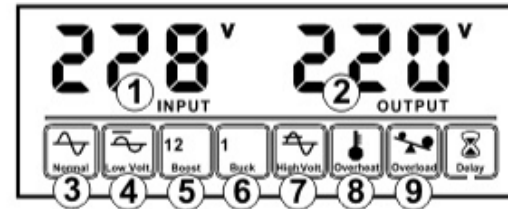
1: Delay Timer Count Down (T)

- Delay time can be set as 2 seconds, or 10 seconds, or 30 seconds.
- When delay time is set as 2 seconds, the number above "T" icon will count down from 2 to 0 after AVR is turned on.
- (If delay timer is set as 10 sec., number will count down from 10 to 0...and so on) After delay time is finished, "T" icon is not lighted anymore and "Normal" icon will be lighted.

2: Delay Icon

- Icon flashes once every second before delay time count down is finished.

2. INDICATION AND CONTROL



1: Display of input voltage

- LCD will display input voltage after AVR is turned on.

2: Display of output voltage

- LCD will display rating output voltage.

3: Normal Icon

- Icon is lighted: AVR is under normal status and supplying utility power to loads.

4: Low Volt. Icon

- Icon is lighted: Input voltage is too low and AVR output is cut off.

5: Boost Icon

- "Boost" is lighted: AVR is correcting a low utility voltage condition.
- "1" icon is lighted: AVR is doing 1st step boost.
- (If "2" icon is lighted, AVR is doing 2nd step boost...and so on)

6: Buck Icon

- "Buck" is lighted: AVR is correcting a high utility voltage condition.
- "1" icon is lighted: AVR is doing 1st step buck.

7: High Volt. Icon

- Icon is lighted: Input voltage is too high and AVR output is cut off.

8: Overheat Icon

- Icon is lighted: AVR is overheated, buzzer will beep continuously.
- Please reduce load capacity

9: Overload Icon

- Icon is lighted: AVR is overloaded, buzzer will beep once every 4 seconds.
- Please reduce load capacity.