

USER`S MANUAL

AVR



1st Edition, 2015

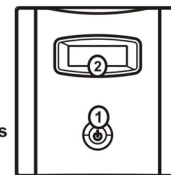
Automatic Voltage Regulator

701-0071097 AVR-I261-1K-3K-7 Steps-01

1. OVERVIEW:

FRONT PANEL

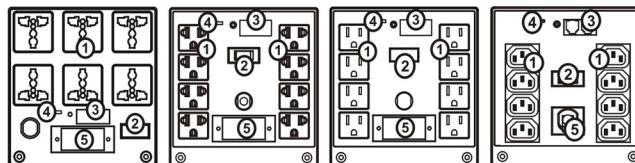
1. **AVR ON/ OFF switch:** - AVR turn on & turn off
2. **LCD Screen**



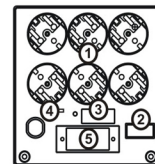
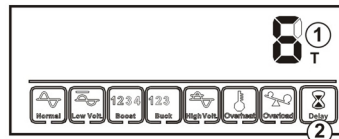
FRONT PANEL

REAR PANEL

1. **AVR Regulated plus Surge Protection Outlets**
 - Allow for easy recovery from an overload.
 - Allow to turn off AVR Input completely.
2. **Input Circuit Breaker Switch**
 - Protect your phone and data line from dangerous and costly lightning surges.
3. **Internet, ADSL, Fax/Modem Protection**
 - To set different delay time with 6 or 180 seconds per your demand.
4. **Soft Start (Delay Timer) Setting Switch :**
5. **Utility Power Input**



2. INDICATION AND CONTROL:



1: Delay Timer Count Down (T)

- Delay time can be set as 6 seconds, or 180 seconds

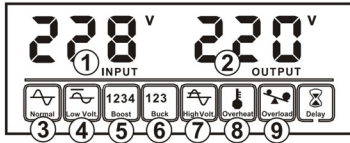
When delay time is set as 6 seconds, the number above "T" icon will count down from 6 to 0 after AVR is turned on.

(If delay timer is set as 180 sec., number will count down from 180 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.

If "2" icon is light, AVR is doing 2nd step buck...and so on)

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.

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 DelayTime Setting (6/180s).

4. SPECIFICATION

CAPACITY	VA	1000VA-3000VA
INPUT	Normal Voltage	115Vac/230Vac
	Frequency	50/60Hz
	Input Voltage Range	-35% +25%
OUTPUT	Output Voltage Regulation	+/-5%
	Outlet (AVR plus Surge)	German/Universal*6pcs ; Nema5-15R/Universal Nema/IEC*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