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## CUSTOMER CARE

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MADE IN INDIA

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002-290-MANUAL-SMART-EM (2 TON AC) V.2





## Smart

PERFECT CHOICE FOR  
2 TON AIR CONDITIONERS



User Manual & Warranty Card

3Years WARRANTY

Inside

Congratulations on selecting **MICROTEK SMART Automatic Voltage Stabilizer** & subsequently joining the family of the millions of satisfied users of Microtek Products. Before using this Stabilizer, please read this manual carefully to familiarize yourself with all its features, controls and safety precautions.

*Enjoy Stabilized and Safe Power for Your Expensive Air-Conditioners!*

MODEL	SMART EM5130+	SMART EM5150+	SMART EM5170+
Application	For 1 AC Upto 2 Ton		
Capacity	15A		
Working Input Voltage Range	130V~300V AC $\pm$ 5V	150V~290V AC $\pm$ 5V	170V~270V AC $\pm$ 5V
Mains AC Low Cut	130V $\pm$ 5V	150V $\pm$ 5V	170V $\pm$ 5V
Mains AC High Cut	300V $\pm$ 5V	290V $\pm$ 5V	270V $\pm$ 5V
Display Indications	DIGITAL	DIGITAL	LED
Delay Time (Max.)	10Sec. $\pm$ 2Sec.	10Sec. $\pm$ 2Sec.	1Min. $\pm$ 20Sec.
Delay Time Technology	STD	STD	ITDS

Each **MICROTEK SMART Series of Automatic Voltage Stabilizer** is manufactured under stringent quality standards and is the Perfect Guard for your equipment from voltage fluctuations and can withstand upto 300V AC input. Please ensure that voltage above specified level is not fed to the stabilizer, as that can cause serious damage to the stabilizer and/or connected equipment, in which case the Warranty will become null & void. This Stabilizer is designed to work up to 50°C ambient temperature. Surge or spike protection is not provided in this stabilizer. **IMPORTANT INSTRUCTIONS:** Connect your equipment to MICROTEK Stabilizer and subsequently connect the stabilizer to the mains. Make sure that the connections are not loose & the earthing is proper. This unit is provided with Digital Indicator/LED Display, which displays following status:

<b>DIGITAL DISPLAY INDICATIONS</b> High Cut Off: Hi    Low Cut Off: LO    Delay : dLY Input: Scrolling Display    Over Heating : OhT Output: Scrolling Display	<b>LED DISPLAY INDICATIONS</b> High Cut Off / Low Cut Off / Delay: Output LED Glows in Red Color Input: Input LED always Glows in Green Color Output: Output LED Glows in Green Color
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This stabilizer is provided with an "Intelligent Time Delay System." Initially when the stabilizer is in OFF condition for more than a minute, is switched ON, there won't be any time delay. If the power supply fails and comes back within one minute, there will be a time delay depending upon the period of absence of power. If power failure lasts for more than one minute, the stabilizer will switch ON automatically at the arrival of the power. This provides proper balancing time for the compressor before restart. If the input voltage remains out of the working Input Range, the Stabilizer will not give output voltage & remain in Low Cut or High Cut mode. As and when the Input voltage returns within the working Input Range the Stabilizer will automatically give output after defined delay.

*NOTE: Because of a policy of continuous product improvement, the specifications are subject to change without prior notice.*

TERMS AND CONDITIONS OF WARRANTY

MICROTEK International Pvt. Ltd., warrants each instrument to be free from defects in materials and workmanship for a period of **Three years** from the date of purchase. This obligation is limited to servicing any instrument or part returned to the authorised service center for that purpose and to making good any parts thereof which shall, within the warranty period, be returned to the company or authorised Service center under a written intimation and which to the company's satisfaction be found defective.

The warranty does not cover damages caused to the cabinet or any trouble arising because of misuse of the stabilizer by over-loading or repair done by any unauthorised person. Furthermore the warranty is subject to the condition that repair if any must be done by company's service personnel only. The warranty is for the stabilizer only and liability for consequential loss or damage will neither be accepted nor is it implied. The warranty will be void if the product is tampered with.

**Caution:** Opening MICROTEK Stabilizer may disturb the calibration. Only experienced engineers can re-calibrate the unit with the help of sophisticated test equipment. It is not advisable to connect 60Hz equipment with this stabilizer. Remove the pin top of the stabilizer from the mains input socket during lightning.

\*All disputes, if any are subject to Delhi jurisdiction only.

Sl. No. \_\_\_\_\_

Inspected By: \_\_\_\_\_

Buyer's Name \_\_\_\_\_

Bill No. \_\_\_\_\_ Dated: \_\_\_\_\_

Dealer's Stamp and Signature

(This card is not valid unless duly filled in & stamped by our Dealer)