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CUSTOMER CARE

MICROTEK INTERNATIONAL PVT. LTD.
 H-57, Udyog Nagar, Rohtak Road, New Delhi-110041.
 Microtek Customer Care: All India: 7283838383
 WhatsApp: 08800255733 | E-mail: cc@microtekdirect.com





MADE IN INDIA

Form No.: QPN/003-259
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 002-293-MANUAL SMART EM (1.5 TON AC) V.1






**PERFECT CHOICE FOR
1.5 TON AIR CONDITIONERS**



User Manual & Warranty Card

3 Years 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 EM4130+ | SMART EM4140+ | SMART EM4150+ | SMART EM4160+ | SMART EM4170+ |
|------------------------------------|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Application | For 1 AC Upto 1.5 Ton | | | | |
| Capacity | 12A | | | | |
| Working Input Voltage Range | 130V~300V AC±5V | 140V~290V AC±5V | 150V~280V AC±5V | 160V~285V AC±5V | 170V~270V AC±5V |
| Mains AC Low Cut | 130V±5V | 140V±5V | 150V±5V | 160V±5V | 170V±5V |
| Mains AC High Cut | 300V±5V | 290V±5V | 280V±5V | 285V±5V | 270V±5V |
| Display Indications | DIGITAL | DIGITAL | DIGITAL | DIGITAL | LED |
| Delay Time (Max.) | 10Sec.±2Sec. | 10Sec.±2Sec. | 10Sec.±2Sec. | 10Sec.±2Sec. | 1Min.±20Sec. |
| Delay Time Technology | STD | STD | 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:

| | | |
|---|--|--|
| <p>DIGITAL DISPLAY INDICATIONS</p> <p>High Cut Off: Hi Low Cut Off: LO</p> <p>Input: Scrolling Display</p> <p>Output: Scrolling Display</p> | <p>LED DISPLAY INDICATIONS</p> <p>High Cut Off / Low Cut Off / Delay: Output LED Glows in Red Color</p> <p>Input: Input LED always Glows in Green Color</p> <p>Output: Output LED Glows in Green Color</p> | <p>Delay: dLY</p> <p>Over Heating: OhT</p> |
|---|--|--|

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.

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| <p>Sl. No. _____</p> <p>Inspected By: _____</p> <p>Buyer's Name _____</p> <p>Bill No. _____ Dated: _____</p> | <p>Dealer's Stamp and Signature</p> |
|--|-------------------------------------|

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