

Power Saver for
» **SPLIT & WINDOW AC'S**



The unique features of the product

The ATCON power saver operates compressor in Variable Temperature Hysteresis under each mode selected by the user.

Based on standard principle and calculation to cool the room ATCON power saver allows time to achieve the set temperature and prevents the compressor to run under Thermodynamic Saturation.

The high efficiency precision sensors measures the temperature in 0.1° C and proprietary VT technology takes control of Air Conditioner to give the comfort at low running cost by minimizing compressor run time under each Mode (VIP, Eco-Hi, Eco-Lo and Sleep).

STELLAR - 5505

- » Saves Power even on Star-rated ACs.
- » Operates on proprietary VTT (Variable Temperature Technology) software.
- » Upgrades your ACs performance & efficiency by adding intelligent & logical control as per on the spot prevailing conditions. Not just simple thermostatic operation.
- » Low payback period means quicker return on your investment.
- » Password protected to avoid tampering of settings & unauthorized change of settings.
- » Advanced technology Digital Temp. Sensor for Temp. Sensing.

- » Reduces Breakdown or maintenance of AC.
- » LCD display of parameters & Status indications.
- » Customized programming of your AC run routines.
- » Automatically adjust achievable temperature to prevent saturation.
- » One year Replacement warranty.



Power Saver for
» **PACKAGE TYPE AIR CONDITIONER**



STELLAR - 5622 & 5613. FOR PACKAGE AND MULTI COMPRESSOR AIR CONDITIONER.

5613 and 5622 control 3 or 2 compressors respectively. They handle the compressors in a synchronized mode that is operating 1, 2 or 3 compressors as and when required with RTC (Real Time Clock) technology and Acton's proprietary software known as VTT(Variable Temperature Technology).

STELLAR 5622 / 5613

- » Controls 2 / 3 compressors simultaneously.
- » Programmable Master / Slave mode for both compressors.
- » Proprietary VTT (Variable Temperature Technology) software based operation.
- » Quick Returns On Investments.
- » AC Service Call alert facility for 3 different types of AC servicing.
- » Advanced technology Digital temp. Sensor for Temp. Sensing.
- » Unique 49 X 7 feature helps you to program your AC ON & OFF run routine @ 7 times per day for all the 7 days of the week using RTC (Real Time Clock) technology.

- » Precise and Time-bound operation of AC increases efficiency of the AC.
- » One year Replacement warranty.



OPERATING PRINCIPLE
» of ATCON Device



Atcon Product justifies power saving through energy optimization and elimination of wastages.

Air Conditioner Produces intangible cool air and loses its existence very quickly in the ambient which is uncontrollable.

Human body has its natural phenomena to balance the body temperature with ambient.

Taking advantage of this natural phenomena ATCON Devices through Micro Controller technology control the compressor in Variable Temperature hysteresis and synchronizing working of two compressors to create variable temperature within $\pm 2^{\circ}\text{C}$ and reduces compressor run time resulting to power saving.

Variable Temperature Technology

VTT is the proprietary software technology developed by Atcon for energy saving in Air conditioning systems. This software watches the change in temperature with respect to time and accordingly, runs the AC as per prevailing existing conditions.

In addition to that, the VTT software operates your AC in "comfort Zone" avoiding energy wastages while maintaining comfort. Automatic selection of different Temp cycle within the Hysteresis, maintains the comfort Zone. It will check the maximum achievable temp under prevailing existing conditions and operates compressor precisely.

Saturation Check System

Saturation check system is a system that looks out for a condition known as "Thermodynamic Saturation". Under normal conditions, whenever a compressor operates in an AC system, the temperature comes down with the passage of time.

However, sometimes it so happens that the compressor runs as per its normal capacity, but the temperature does not come down - this is known as "Thermodynamic Saturation". This saturation results in a heavy waste of energy as the compressor is running but not producing any cooling effect. So, this is a waste of energy. Saturation check system detects this fault condition and saves energy.



» TECHNICAL SPECIFICATIONS

STELLAR – All Models

» Operating Input Voltage	100 VAC - 300 VAC	» Time Delay	3 Min at Power ON
» Operating Frequency	50 / 60Hz	» A C Tonnage Load	2 tons Max (Stellar-5505) 50 ton Max (Stellar 5622-5613)
» Sensor Measuring Range	-55°C to +125°C	» Display Type	L C D
» Temp Settings	16°C to 35°C (IN 0.5°C steps)	» Relative Humidity	0 to 95%
» Contact Ratings	30 Amps Resisting		

» OUR CLIENTS



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Save energy,
Save nature!



with
ATCON Power Savers



Rated by

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SE 3B

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