

For Bank ATM & Server Room **STELLAR** ATM MODEL

- » Controls 2 ACs simultaneously.
- » Eliminates need for manual attendant to change the operation of ACs - introduces automation.
- » No need to install and operate changeover switches.
- » Time for changeover is user programmable.
- » Uses VTT (Variable Temperature Technology) - a field proven technology for energy savings.
- » Facility to set separate temperature in case of human presence and human absence.
- » Comfort is easily maintained due to dual temperature setting facility.
- » Prevents thermodynamic saturation and resulting energy wastage.
- » Built-in 3 minute delay which is recommended by manufacturers of ACs to protect Acs.
- » Short payback period means rapid return on investments.
- » One year replacement warranty.
- » Password protection to prevent unauthorized tampering and change of set parameters.
- » Second AC is operated automatically in case of failure of Master AC.

Power Saver for **SPLIT & WINDOW** ACs

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 sensor measures the temperature and the proprietary VT technology takes control of Air Conditioner to give the comfort at low running cost by minimizing compressor run time under each Mode.



Server Room



Server Room



OPERATING PRINCIPLE of ATCON Device

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

Air Conditioner produces intangible cool air which 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 synchronized working of two compressors to create variable temperature within $\pm 2^{\circ}\text{C}$ and reduce compressor run time resulting in 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 Hystresis, maintains the comfort Zone. It will check the maximum achievable temp under prevailing existing conditions and operate compressor accordingly.

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.

OUR CLIENTS



ATCON
SYSTEMS

Prosperity Through Energy Saving™



**Save energy,
Save nature!**

**with
ATCON AC
Power Savers!!**



ATCON
SYSTEMS

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204, Brighton, Plot No. 14,
Yashavi Nagar, Balkum,
Thane (W) - 400 608.

Tel. No.: +91 22 2542 0169 Mob. No.: +91 93212 53874

Email: umesh@atconsystem.com Web: www.atconsystem.com