

## **ABOUT PRESEVI**

Presevi Industrial Company, a leading manufacturer of electronic controller in India, catering the needs of major OEMs in the appliance business, was established in 1986. Presevi has separate R&D and manufacturing facilities at Chennai, Tamilnadu and another manufacturing facility at Trichur, Kerala. Besides manufacturing standard products, the company also offers, other customised solutions in measurement & control activity, power electronics, embedded control solutions etc. The company is an ISO 9001:2000 certified organisation and have a team of people that looks after R&D, manufacturing, quality assurance, logistics, etc. We have brought out several innovative designs, using state of the art technologies, and generated few patents.

## **Quality**

Presevi is offering cost effective electronic control solutions to major OEMs, engaged in the manufacture of aircons, washing machines and domestic ovens and believes in doing right thing at the first instance itself. Application of quality and reliability measuring techniques like **FMECA** and **FTA** at the design stage, **SQC** technique at the production stage, "In house burning in" of critical components & finished products, 100% inspection, and above all the competent and trained work force, contribute for giving extended life for our products.



Achieving improvement in quality and reliability is a continuous and unending process at Presevi and our trained personnel are dedicated to the long-term investment towards defect reduction, performance and customer satisfaction.

## **Research & Development**

Presevi has a team of young and enthusiastic engineers and technicians, who are highly professional with expertise in instrumentation, embedded controller design, power electronics, process automation, manufacturing, etc. Our success lies in teamwork and we as a team have successfully completed many projects that are innovative. Our R&D team has developed several innovative products, few of them are already patented. We support university students to complete their projects and are fully funded by us.

## **Organisation**

From 1986, Presevi increased its personnel strength by 10 times. Our R&D has a good strength of dedicated engineers and technicians to carryout design, development, monitoring documentations etc. Considerable amount of money is spent in updating technology, personnel training programs and investment on library & equipments. Presevi is an ISO 9001:2000 certified organisation.

## **Inventory Management**

We have a computerised inventory management system which would enable us to locate a component in any of our stores and to trace the availability of components well before a batch is taken out for manufacturing as well as to carry out artificial manufacturing. Our inventory system will also trace good and bad vendors, critical components, etc. We can trace our components, vendors etc., back to some ten years, based on the field failure reports, so that our R&D can eliminate these components and vendors, when we carryout FTA and FMECA for a new design. All these means, good quality and cost effective product to our customers.

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## Manufacturing

Presevi is an ISO 9001:2000 certified organisation having manufacturing activities at Chennai, Tamilnadu and at Trichur, Kerala covering an area of 6000 Sqft. The factory is equipped with necessary equipments for manufacturing and testing. Assembling is carried out using Automatic Wave Soldering machines to ensure consistent quality in the manufacturing process. All products undergo rigorous testing procedures using latest testing equipments and procedures by qualified personnel. We have classified our production into two categories:-

### Products-In mass production (OEM)

- ❖ Micro controller/ Analog based chorded and chordless remote controllers for Window/ Split/ Ductable air conditioners
- ❖ Micro controller based thermostats for package Air Conditioners, Chilled water systems and Fan coil units
- ❖ Controllers for unmanned mobile switching centres
- ❖ Aircon controllers / timers for **ATM** centres.
- ❖ Automatic Voltage Stabilizers for air conditioners up to 5KVA.
- ❖ Controllers for Frost Free refrigerators
- ❖ Programmable controllers for automatic washing machine
- ❖ Low cost pressure transducers
- ❖ Inverter & UPS.
- ❖ Liquid Level controllers

### Low quantities against Orders

- ❖ Programmable controllers for blood bank refrigerators with defrost time, temperature facility complete with printer and password protection
- ❖ Station monitoring system for book binding
- ❖ PC based humidity, temperature and dew point measuring & controller for precision air-conditioning with a facility to log the data.
- ❖ Building Management System.
- ❖ Different varieties of chiller controllers with interlocks and BMS
- ❖ Engine monitoring and control panels (AMF panel)
- ❖ Various types of data loggers
- ❖ Custom design activity

### Technologies under development

- ❖ Variable speed drive for single / three phase motors taking care of V/F, power factor, brownouts etc.
- ❖ Computerised monitoring of process control, collection of statistical data, collection and control of quality in manufacturing. This hardware and software related product will eliminate human error to a great extent and will give an accurate data and analysis automatically. The PC based system can generate several statistical reports for quality evaluation.

### Sales and Services

We have a computerised data logging and management system to register orders and to monitor dispatch. It is easy for a customer to trace the supply and to track the dispatch details.

The service department, who would service our products as well as certain specialised products, is provided with trained staff and equipments. Our computerized service department can identify the defective components, it's nature and repeatability, modes and mechanisms of failures. Field failure analysis report prepared by our service department gives excellent information regarding the trend of failures, reliability and availability of our products, MTBF, MTRR etc. All these means, a highly reliable product that is tropicalised and made to meet the environmental challenges.