



**Technology with
perfect co-ordination.**

ERI[®]

**SOLID STATE RELAYS
SWITCH FOR THE BETTER**



QUALITY POLICY

ERI IS COMMITTED TO PROVIDE INCREASING VALUE TO OUR CUSTOMERS THROUGH STRONG CUSTOMER FOCUS AND CONTINUOUS IMPROVEMENT IN QUALITY, COST AND DELIVERY OF OUR PRODUCTS AND SERVICES

QUALITY OBJECTIVES

WE SHALL ACHIEVE THIS BY



DESIGNING PRODUCTS TO MEET CUSTOMER REQUIREMENTS AND CONFORMING TO NATIONAL / INTERNATIONAL STANDARDS



ADOPTING WORK PRACTICES CONFORMING TO ISO 9001:2000 QUALITY SYSTEM STANDARDS



ADHERING TO PRODUCT AND PROCESS SPECIFICATIONS DURING ALL STAGES OF PRODUCTION

Future Perfect



Company

While technology surges forward to the future, there's one company that steadily keeps in touch with the times. The company is Electronic Relays (I) Pvt. Ltd. (ERI), and it has been pursuing its fascination with the future since the year 1979, the year that ERI started manufacturing Solid State Relays.

ERI began its endeavor by exporting a major part of its production to the United States. Subsequently; it expanded activities and began catering to the huge demand

in the domestic market too. The customer list today remains highly satisfied and hugely appreciative of ERI's preoccupation with quality and strict professionalism.

Today, ERI continues to work on its growth chart adding new Products to its range.



Series 001 J/K



Series 002 J/K



Since 1979

Reliable Technology

Product

Each ERI product is an instance of absolute reliability to technology. The products are the ERI representatives to professionalism. These are our connection points to our customer requirements. Our channels to show our absolute commitment to the needs of our customers.

Solid State Relays

ERI manufactures optically coupled Solid State Relays (SSRs) and Input/ Output Modules. The ERI SSRs are made in Standard and Custom built packages which are totally potted and works effectively in adverse industrial environments. In addition to chassis mounting type, the new small mini series can be mounted directly on PCBs. Not only do the SSRs have faster switching (order of micro seconds), longer life and high reliability as compared to Electro Magnetic Relays (EMRs), the ERI SSRs come with a host of other advantages.

Our product range includes:

◆ Solid State Relays

Solid State Relays are available in single phase & three phase versions rated more than 200Amps/1600V

DC / DC SSR's are rated for maximum of 100A at 60 Vdc & 40A at 200 Vdc

◆ Automotive Electronic Products

These products are representative of ERI's strength in switching. ERI offers design and development of products used for the highly demanding Automotive Component market: such as Oil Warning Units, Ignition Units and DC SSRs for Switching Lamps / Motors.

- ◆ Transistor Controlled Ignition System (TCI)
- ◆ Capacitor Discharge Ignition System (CDI)
- ◆ Solid State Time Delay Relay (TDR)
- ◆ Oil Alert Warning Unit

◆ Input/Output Modules

ERI offers industry standard single channel I/O Modules that can be soldered directly on a printed circuit board or placed in sockets.

These reliable ERI I/O modules provides an electrically clean, photo-isolated (2500 VRMS min; 4000 VRMS optional), noise-free interface between programmable controllers, microprocessor and computerized machine controls and external element such as limit switches, thermostats, pressure switches, motor/motor starters, valves and heaters.



Series 006 J/K



Series 004 J/K

RI RI
C[®] C[®]
Approved

Variety Explored

Applications

The Solid State Relay delivers all its unique advantages without making any use of moving parts, only Electronic Components. Subsequently, the ERI SSRs and I/O modules are especially suitable where binary signals are involved.

For instance,

- ◆ For microprocessor based controls such as Automatic Vending Machines, Microcomputer Control, Ticket Vending Machines, NC Machine Control, currency counting machines
- ◆ For process control systems using PLCs such as Programmable Controls, DCS
- ◆ Lighting control Systems
- ◆ Temperature Control Systems such as Microwave Ovens, Heater Control, Lamp Control, Injection Moulding Machines
- ◆ Motor Control
- ◆ Machine tool control

- ◆ Medical Equipments
- ◆ Uninterrupted Power Supplies
- ◆ Traffic Signals
- ◆ Business Machines
- ◆ Home appliances such as washing machines etc.



Series 104



Series 008/010



D&B D-U-N-S®
No. 91-843-0638

Stringent Measures

Quality

Right since its inception in 1979, ERI has set standards for its products that were mainly exported. While significant inroads were made into the domestic market, one thing that set ERI apart was its excellent quality. ERI's Solid State Relays undergo 100% testing that have raised photo-isolated power switching to a state of unconditional reliability that meets the requirements of Automations thoroughly.

The quality is maintained with strict attention to every small detail: from raw material procurement, manufacturing processes to the final product dispatch. A meticulously planned and strictly followed Quality Assurance Programme helps in establishing ERI's quality criteria that accommodates product design, manufacturing, online testing and statistical monitoring. Every ERI SSRs and I/O Modules have components used from

the world's most reputed manufacturers. Each is subjected to stringent testing and quality control at every stage of manufacturing process. ERI is an ISO 9001:2000 company.

Special quality testing is conducted in standardized laboratories globally, such as ETDC, CMTI, etc. In fact, some of ERI's relays are qualified by cUL & UL (Underwriters Lab. USA) and conforms to CSA-VDE standards.



Series 018



Series 012 J/K

CE
Approved

Arrangements with prestigious national & international test houses for any special testing that act as an extended ERI test facility.

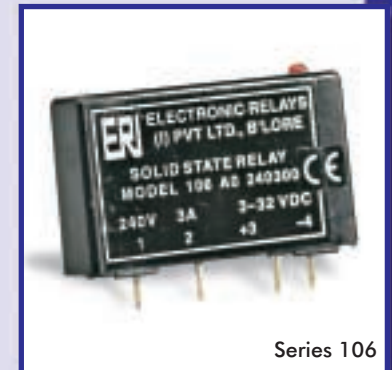
Comprehensively Equipped

Infrastructure

Supporting and facilitating the export standard products are ERI's well-equipped manufacturing facilities to handle discreet device assembly and Surface Mount Devices (SMD). Located in one of the most happening Silicon Valley of India, Bangalore, ERI manufactures its well-received products within the confines of the rigorous guidelines that it has set for itself.

At present, the state-of-art facility can manufacture 500000 Relays per shift on dedicated product lines, establishing strict adherence to customer specific requirements.

In house Design & Development team to understand customer specific requirements, designing products meeting international standards with very low design cycle time. Known to be innovators in SSR's, making them very inexpensive.



Series 106



Series 109

Pollution Degree-II

Commitment Personified

People

The people at ERI. The ones that made ERI pioneer in the field of Electronic Relays. Those that made it the leader in the SSR segment of the National Industry with continuing Design & Development Programmes for the past 25 years.

The people at ERI are a team of well-qualified and committed group that has enabled it to reach a high level in technology and customer satisfaction. Their expertise is nurtured with regular training sessions. Teamwork is encouraged at all levels complimented with regular campaigns for the importance of environment friendly practices. ERI prides itself for being an equal opportunity employer, where every person is given equal opportunities to grow and develop.



Series 020 SCP



Series 030 DIN



The Quality Advantage

Right Here

Future

Today ERI is an organization to reckon with in the field of SSRs. Its products are well recognised in World Markets like USA, Europe, and the Far East.

The growth has been steady for ERI since 1979. Its long experience and expertise in switching has been utilised by leading Indian Manufacturers to develop Oil Warning, Ignition systems to exacting standards of Honda Engineering and supplying them in large volumes since the two years.

Progress is part of the ERI processes. Additional equipment is constantly being added, the infrastructure constantly updated to keep up with the growing demand for its products. New products are constantly being developed to suit the requirements of the domestic and export markets.

The future is right here at ERI.



Series 012 PAC



Series DIN READY

Currently Working on ROHS Directive - 2002/95/EC Standards





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