

Cooling Solutions for Control Panel Applications

EIC Solutions – The Leader in Thermoelectric Cooling Technology for Electronic Enclosures

Whether protecting AC drives, inverters, VFD's, PLC's or critical components, our NEMA rated products are ideal for use in any hot and or harsh environment. We control the temperature of your critical electronics and keep your processes up and running by:

- Eliminating heat-related failures and shutdowns;
- Extending the life of critical electronics; and
- Reducing costly downtime.

For existing enclosures, EIC will:

- Calculate cooling requirements;
- Recommend the right air conditioner; and
- Configure mounting for easy implementation.

For new installations, EIC will:

- Help you select the perfect solution from our many standard enclosures and air conditioners;
- Design a custom enclosure engineered for your application; and
- Size the proper air conditioner to maintain your electronics at the right temperature.



Protector™
Air Conditioned Enclosures

Key Features of EIC Products Include:

- **No Maintenance:** No filter to clean, drain, or change, and no refrigerant to recharge. The only moving parts are the fans.
- **Outdoor Rating:** All of our thermoelectric coolers are rated for outdoor use and can withstand harsh environments including high humidity, and extreme heat.
- **Multiple Power Options:** Offered in a wide range of AC and DC input voltages with the ability to operate on “dirty power”. Perfect for environments that operate using mobile generators.
- **High Operating Temperatures:** Standard units operate in environments as hot as 140°F/60°C with custom models available up to 170°F/77°C.
- **Temperature Control and Stability:** Effective cooling below ambient temperatures with options for precise temperature control to within $\pm 0.5^\circ\text{C}$.
- **Reliable:** Typical MTBF of 150,000 hours.
- **Environmentally Friendly:** Uses no CFCs, HCFC, other chemicals or oil.
- **Flexible and Portable:** Standard units can operate in motion and are portable. Products can also be mounted in multiple orientations.
- **Domestic Manufacturing:** Made in the USA.

EIC SOLUTIONS

700 Veterans Way, Suite 200 | Warminster, PA 18974 USA

Toll Free: 1-800-497-4524 Fax: 1-800-726-7592

Phone: 215-443-5190 Fax: 215-443-9564

For inquiries, email: info@eicsolutions.com

www.eicsolutions.com

Meeting the Cooling Needs of Control Panel Users and Manufacturers

We meet the needs of control panel users and manufacturers by providing secure housings that are environmentally controlled using thermoelectric air conditioning. Our thermoelectric coolers are designed to withstand extreme conditions such as high ambient temperatures, dust, vibration, corrosive atmospheres and regular high pressure water or steam cleaning. Since our air conditioners have extremely long life cycles and require no maintenance, they are ideal for applications where failure is not an option.

From the harshest outdoor applications to equally extreme indoor production environments, thermoelectric cooling technology from EIC Solutions protects the sensitive control and monitoring electronics that keep your processes up and running. EIC's products can be found in many different industries protecting a wide range of equipment such as:

- Network and Communications Gear
- Power and Process Controls
- Security Cameras, and Systems
- PLC's
- Touch Screens and Digital Displays
- VFD's and Drive Controls
- Back-up Systems, UPS and Generators



*ThermoTEC™
Thermoelectric Air Conditioner*

A Wide Range of Configurations

Since 1988, our patented, solid-state, thermoelectric air conditioning technology has protected sensitive electronics from heat, dust, moisture, corrosion, and the elements. We offer more standard and custom configurations than any other manufacturer including NEMA rated and CE certified units. EIC's products have integral power supplies, adjustable temperature control, no maintenance, and exceptionally long life cycles.

With rugged stainless steel construction, reliable performance and flexibility, these advanced thermoelectric systems offer reduced equipment size, weight and power, with improved cooling, corrosion resistance and hazardous location protection.

The compact size, weight, and ease of installation of our thermoelectric air conditioners allow them to fit a wide range of existing enclosures. EIC can also provide a complete air conditioned enclosure or case package. We have a large catalog of standard enclosure and case configurations as well as the capability to build custom designs to meet the needs of your specific project.

Whether the application requires an off-the-shelf or custom system, EIC's engineers will help find the solution to best meet your electronics protection requirements.

Please visit www.eicsolutions.com for products, specifications, and technical data. Our online Request for Quote (RFQ) is available 24/7.

To speak directly with a Sales Engineer or ask technical questions, please call 1-800-497-4524.