

Cooling Solutions for Security & Surveillance Applications

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

EIC has worked extensively with government authorities, security contractors and integrators to protect cameras, DVRs, NVRs, RFID readers, power supplies and other security equipment. Designed to withstand extreme weather conditions, our NEMA 4 and 4X environmentally controlled enclosures protect critical electronics and keep your systems up and running by:

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

For existing enclosures, EIC will:

- Calculate cooling requirements;
- Recommend the right solution; 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.

Key features of EIC products include:

- **Outdoor Rating:** All of our thermoelectric coolers are rated for outdoor use and can withstand harsh environments including excessive rain and extreme heat. NEMA 4X protection
- **No Maintenance:** No filter to clean, drain, or change, and no refrigerant to recharge. The only moving parts are the fans. Easy implementation
- **Temperature Control and Stability:** Effective cooling below ambient temperatures with options for precise temperature control to within $\pm 0.5^{\circ}\text{C}$
- **High operating temperatures:** Standard units operate in environments as hot as 140F/60C with custom models available up to 170F/77C. Field-proven performance
- **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
- **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



*Protector™
Air Conditioned Enclosures*

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
info@eicsolutions.com

www.eicsolutions.com

Meeting the Cooling Needs of the Security and Surveillance Industry

We meet the needs of security, surveillance and monitoring applications by providing secure housings that are environmentally controlled using thermoelectric air conditioning. Our thermoelectric coolers and enclosures are designed to withstand extreme conditions such as high ambient temperatures, dust, vibration, high humidity, rain, snow and ice. 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 in both extreme heat and/or cold, thermoelectric cooling technology from EIC Solutions protects the sensitive electronic and electrical equipment that keep your critical systems up and running.

EIC's products can be found protecting a wide range of security and monitoring equipment such as:

- Security Cameras, Systems and Monitors
- DVRs and NVRs
- RFID Readers
- Transmit/Receive Modules
- RF Components
- Network and Communications Gear
- Fire Protection Equipment



*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.