



Thermal Edge Inc.

TEMPERATURE CONTROL SOLUTIONS FOR ELECTRICAL ENCLOSURES



Failsafe Redundant System

When failure is not an option, the Failsafe Redundant System by Thermal Edge helps ensure uninterrupted operation in the most critical applications.

The Thermal Edge Advantage



Improved Service Life

Alternating operating run times between two air conditioners, the balanced load sharing reduces wear and tear and improves the service life of the system.



Reliable Cooling

In fluctuating or high head load environments, the system will simultaneously operate both air conditioners until the demand for additional cooling diminishes.



Eliminate System Failure

A Secondary Unit with a backup programmable logic relay (PLR)* helps ensure uninterrupted operation in the event of a primary (PLR) failure.



Enhanced Monitoring

The web-based interface offers remote system monitoring and diagnostics* for time and money-saving troubleshooting.

*Refer to options and/or accessories.

System Selection

Redundant or Failsafe – the Choice is Yours

Every redundant system starts with

E5 – Primary PLR Based Unit



Is maximum protection against interrupted operation critical to your system (such as the event of a PLR failure)?

NO



E6 – Secondary PLR Based Unit

- Improved system service life with shared run times
- Provides **redundancy** in the event of a compressor or evaporator failure

YES



E8 – Secondary Unit with Backup PLR

- Improved system service life with shared run times
- Provides **failsafe** redundancy in the event of a compressor, evaporator, or PLR failure

Diagnostic Options

Enhanced system monitoring and remote troubleshooting can help save time and money

Diagnostic Option	X1 – HMI Only	X2 – Sensors	X3 – Sensors + HMI
Web-based user interface with configurable settings	✓		✓
Physical alarm notification in the event of a compressor or evaporator failure		✓	✓
Remote diagnostics and troubleshooting			✓

Note: Each option code is for a **single** air conditioner.

Get the Edge... Get Thermal Edge

Thermal Edge manufactures temperature control solutions designed to solve the enclosure cooling challenges your industrial application poses for your electrical control panels. With a full product family of air conditioners, heat exchangers and filtered fan packages, our products are designed and tested to meet your strict requirements for quality and durability. Backed with an industry-leading 5-year warranty, we stand behind our products

