



# *THERMALERT CI*

The Thermalert® CI™ provides the advantages of infrared temperature measurement in a compact, low cost integrated sensor. Designed for easy integration into a standard 4-wire system, the CI can easily replace traditional contact probes with a type J or type K thermocouple output, or with a 0-5 volt output if your application is susceptible to noise or requires a longer cable run.

The CI is designed to measure target temperatures ranging from 0 to 500°C (32 to 932°F). The CI's onboard electronics are protected by a rugged IP 65 (NEMA-4) stainless steel housing, and the sensor can function in ambient temperatures to 70°C (160°F) without cooling. With water cooling, the CI can withstand ambient temperatures to 260°C (500°F).

Because the CI has the same 50 Ohm output impedance as a thermocouple, it functions accurately—without offset errors—when used in conjunction with the thermocouple break protection circuitry in most controllers, displays, and transmitters.

Compact. Easy to install. Affordable. The Thermalert CI is ideal for both OEM and end-user applications.

## **Highlights:**

- Type J or K, or 0-5 V output
- Two models cover temperature ranges from 0 to 500°C (32 to 932°F)
- IP 65 (NEMA-4) stainless steel electronics housing
- 4:1 optics at 90% energy
- 350 mSec (95%) response time
- Powered by 12-24 VDC at 20 mA
- Accessories for cooling and air purging

