

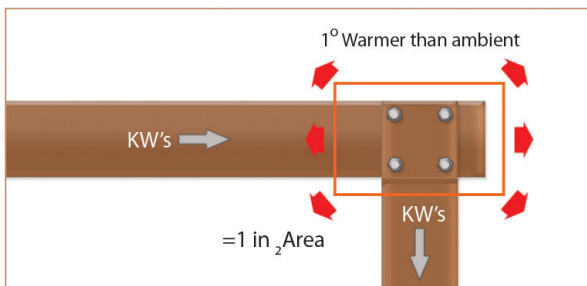
Exertherm

Continuous Thermal Monitoring

The Next Technology Step

General:

In today's commercial environment the continued operation of mission critical buildings now has the objective of zero unscheduled downtime and minimal scheduled downtime. The most common cause of electrical failure are bad connections. These cannot be detected via metering or load measurements, power quality etc. However, the thermal increase can be detected using thermally sensitive devices.

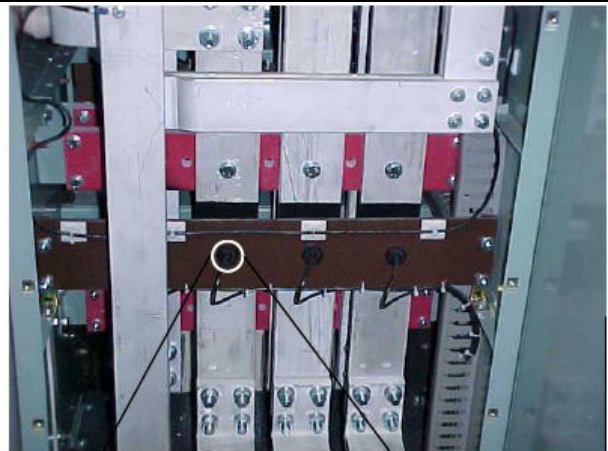


Inspections are normally carried out once or twice per year (1 or 2 out of 365 days). Also the inspections are done from OUTSIDE the enclosure in which the equipment is located.

The Next Technology Step:

Exertherm provides a major breakthrough by providing 24/7 CONTINUOUS Thermal Monitoring from INSIDE the enclosure, rather than periodic inspections from outside.

Exertherm provides capability for data logging/ on-going trend analysis + 2 alarms per sensor to identify potential problems early.



Exergen Infrared sensor installed in application.



Exertherm is easily installed (new/ retro) & integrates with most BMS/ SCADA systems. (BMS: Building Management System).

There is an Optimum Solution:



Exertherm utilises small plastic IR Sensors from Exergen, which require no external power. These are placed INSIDE the enclosure, directly monitoring key connections.

These connect to data cards (8 per card), which collect condition & transmit the data to the host system.

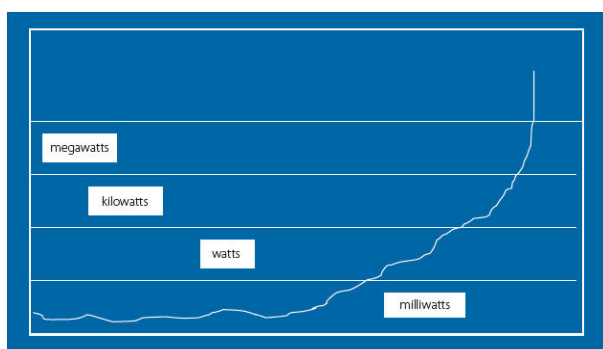
Data cards allow Modbus, Profibus CANopen & Ethernet connection for easy integration. Delivering the data to an existing BMS system is a straight forward process.



Exertherm : Continuous Thermal Monitoring

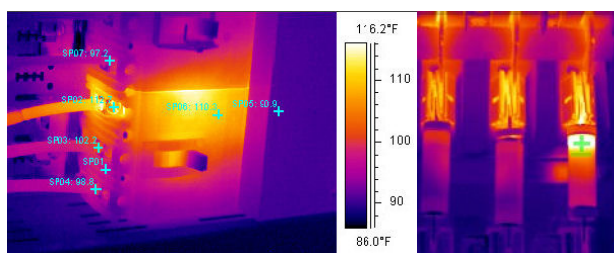
This facilitates the thermal monitoring of all critical equipment, not just in one building, but for any location via WAN Intranet/ Wireless etc.

ExerTherm is a system specifically designed to provide continuous 24/7 thermal monitoring of mission critical electrical equipment within enclosures, and to detect & identify the exact location of the problem long BEFORE the failure.



Normal Milliwatts > Mighty milliwatts > Megawatts = catastrophic Failure

Thermal windows improve the view from camera to target, but don't resolve some key issues, like how to inspect targets with no direct line of sight, nor the fact that the inspections remain periodic. They can also add significant cost.



Prices:

ExerTherm continuously protects 24/7, 365 days per year to detect and identify the location of problems at an early stage of development via on-going trend analysis/ alarms.

For those organisations where the failure of critical power will result in significant downtime costs, predictive maintenance is now recognised as a necessity, on mission critical equipment.

ExerTherm can be designed into new electrical enclosures, retrofitted to existing and subsequently expanded. This is particularly useful for locations where only partial shutdowns are possible.

Additional features and benefits:

- ✓ 24/7 Continuous Thermal Monitoring
- ✓ Small plastic non-contact IR sensors
- ✓ Fits INSIDE enclosure
- ✓ Integrates with host BMS/SCADA
- ✓ UL Approved
- ✓ Lifetime calibration
- ✓ Unparalleled reliability
- ✓ Proven success
- ✓ New or retro fit
- ✓ Detects problems BEFORE failure
- ✓ LIFE TIME WARRANTY !

Your solution for:

- Price
- Quality
- Innovation
- Communication
- Delivery performance

EXERGEN
 industrial sales Europe™

Pastoor Clerxstraat 26, 5465 RH Veghel, The Netherlands
 Tel: +31 (0)413 37 65 99 / Fax: +31 (0)413 37 93 10
 E-Mail: info@exergeneurope.com
 Internet: www.exergeneurope.com