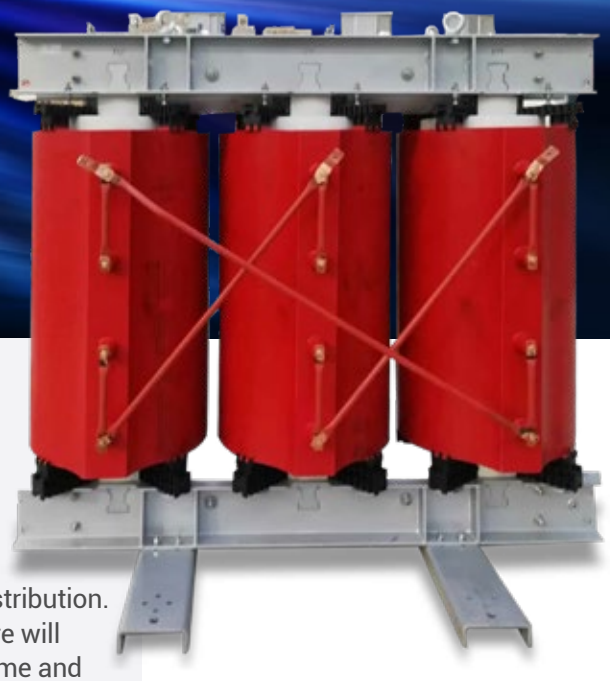
Dry Transformer Monitoring Solution



Continuous Thermal Monitoring for Cast Resin Core Transformers

Dry Transformers are critical to the integrity of the electrical distribution. When a transformer fails it is highly likely that the infrastructure will suffer an electrical outage, and will result in unplanned downtime and potentially expensive repair work.

The installation of thermal sensors to continuously monitor critical electrical assets such as transformers can help prevent power outages.

Exertherm 24x7 thermal monitoring technology collects real-time temperature data from critical assets, delivering enhanced safety, cost savings from increased efficiency, and many IIOT-associated benefits.

24x7 Hotspot Detection

- Enhance safety
- Save costs
- Increase efficiency

Protect critical electrical infrastructure from power outages
24x7 Thermal Monitoring Solutions

Americas

North America
Call +1-281-505-6856

South America
Call +55 (11) 5196-1084

EMEA

United Kingdom
Call +44 (0) 1582 461 123

APAC

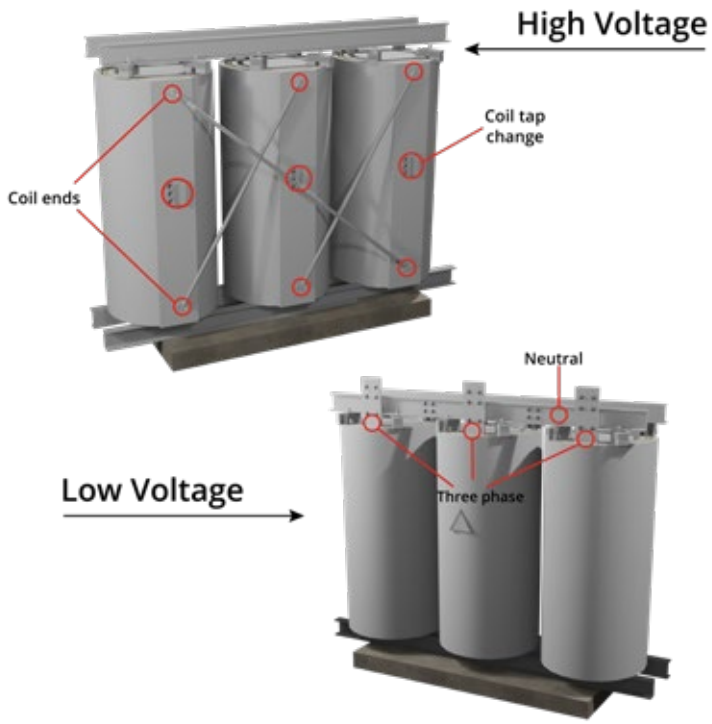
Singapore
Call +65 9848 8155

Exertherm-Sales@eaton.com | Exertherm-Support@eaton.com | www.exertherm.com

EXERTHERM by EATON

BR-121-3-EN

The only non-contact and non-powered dry transformer monitoring solution



Dry Transformers can fail due to many reason, but one of the common causes is overheating due to deteriorating joints or connections. Identifying these signs of a potential failure early on is key to avoiding power outages.

For High Voltage applications:

- IR sensors continuously monitor both ends of each coil
- IR sensor also continuously monitor coil tap connections

For Low Voltage:

- IR sensors continuously monitor the three phase and neutral

IR sensors connect to the Exertherm Modbus Datacard which collects and transmits the sensor temperature data, and activates an alarm when a fault is detected.

Features:

- Permanently installed sensors
- The only non-contact and non-powered transformer monitoring solution
- Reliability via a lifetime guarantee
- Provides 24x7 real-time asset data
- Suitable for new build or retrofit
- OEM vendor neutral

Benefits:

- Increase operational uptime and reliability
- Greater facility and operator safety
- Reduce risk of fire/explosion resulting from arc flash
- Reduce unplanned maintenance
- No future inspection downtime
- Cost savings from reduced outages

Receive advance warning of a potentially faulty or compromised joint before larger, more significant problems occur.

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