

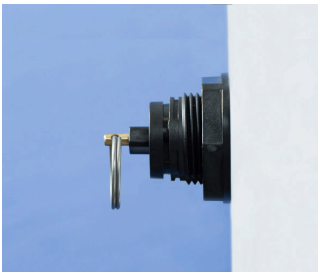


OpsAware™ Essential Sensors

IFD Sensor™

SEE THE SIGNAL. REPLACE THE TRANSFORMER.

The IFD Sensor™ is a factory-installed fault detector that gives crew a simple visual alert when an internal arc occurs in a distribution transformer. With the IFD Sensor, line workers stay safe when troubleshooting and get the lights on faster.



Not activated



Activated



BENEFITS OF THE IFD SENSOR™

1. Protect the line worker

Warn crews the transformer is faulted and is dangerous to re-energize.

2. Improve SAIDI (system reliability)

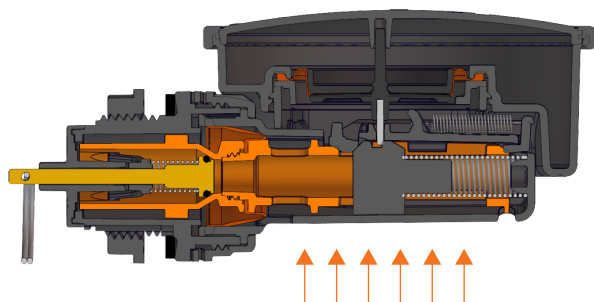
Empower line workers to identify the outage cause faster and get the lights back on sooner.

3. Cut operating costs

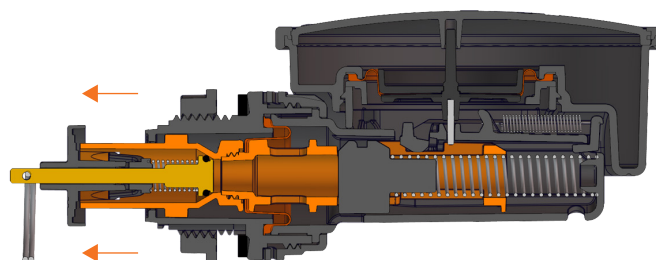
Save money on unnecessary costs, including troubleshooting time, wasted fuses, good transformers taken down in error, and safety and environmental incidents.

HOW IT WORKS

The breakdown of oil, caused by an internal arc, results in a gas bubble and rapid pressure rise that activates the IFD Sensor's bright orange indicator outside the tank. This immediately warns line crews that the transformer has faulted and is dangerous to re-energize.



Rapid Pressure Rise



Orange Indicator Activates

SAMPLE SPEC WORDING

"Each transformer shall be equipped with a non-resettable device, which detects and provides external indication of internal transformer faults and incorporates pressure relief functionality. Installation shall be as per the specifications provided by the device manufacturer. The approved device is manufactured by IFD Technologies."

CUSTOMER TESTIMONIALS

"This is a no-brainer. The IFD improves safety and pays for itself every time we look at it, whether it activated or not."

Line Superintendent - Investor Owned Utility

"Finally, a safety product that makes us money"

I.O.U. Vice President Distribution

"Installing the device is easy. I would like to use the device to help us enter new markets."

Engineer, Transformer Manufacturer

IFD SENSOR™ FACTS

1. Industry proven

More than 2,000,000 sensors in service and 20+ years of success

2. Precise

Tuned to detect low impedance faults: rapid pressure rises (less than 1 cycle) with small pressure magnitudes (as low as 0.5 psi)

3. Reliable

Will not activate from slow pressure rises associated with non-fault events such as overloads

4. Factory installed and warranted

Consistent standard procedures at more than 50 transformer manufacturers across the world.

READY TO IMPROVE YOUR DISTRIBUTION NETWORK?

Contact us today!

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