**IFD Specification Example**

This specification is based on a typical utility specification from their standards document, as follows:

**“Each transformer shall be equipped with a non-resettable device which detects and provides external indication of internal transformer faults, and also incorporates pressure relief functionality. The approved device is manufactured by IFD Corporation or approved equal.”**

# Overview of the IFD

The Internal Fault Detector™, or IFD™, is a patented device of IFD Corporation for pole mounted and pad mounted distribution transformers, and voltage regulators.

The IFD has two purposes:

1. It is a device that will provide an external indication visible from the ground after an internal fault has occurred in a distribution transformer. This prevents the effort and risks associated with re-closing on a transformer that had an internal fault, where the fault would not be visible or detectable from the outside.
2. It is a pressure relief valve that replaces the conventional PRV.

The IFD has been successfully tested in lab and utility operating environments, and thousands of units have been installed and are in operation in Canada and the U.S. since 2002.

# *Note: Utility Engineering Standards groups should use this information as a guide only. Utilities should verify their specific requirements and check with their transformer supplier(s) to ensure accurate specification for their transformers.*