



SOLON® TC DENSITY SWITCHES KEEP SF6 GAS IN CHECK

INDUSTRY CHALLENGE

Electrical circuit breakers often encounter unpredictable and wide temperature changes when measuring Sulfur Hexafluoride (SF6) gas density (or mixed gases).

SOLUTION

Solon® Temperature Compensated (TC) Density Switches are a reliable and economical way to monitor SF6 gas density and leakage by automatically adjusting their settings to follow temperature changes for all SF6 density levels including mixed gases. Solon Manufacturing Co. offers the following TC Density Switch design models:

2TC Model Series

- Ideal for monitoring individual SF6 tanks. Installation on individual phases reduces the need for numerous plumbing connections and the potential for costly leak points.

2TC Model Series with Optional Integral Gauge

- Gauge face feature provides a clear, visual indication of the gas density relative to the breaker fill pressure and set points.

Intrinsic Models

- Intrinsically compensated controls are compact, temperature-compensated pressure switches which use calibrated bi-metal components to adjust for changes in temperature. All intrinsic temperature-compensated switches must be mounted so they change temperature at approximately the same rate as the SF6 gas.

Remote Bulb Models

- Bulb-style density switches use a liquid filled temperature sensor/bulb that is attached to the switch with a capillary tube. This enables the switch body to be in one location, which the bulb is mounted up to sixteen feet away. Bulb designs are useful when the temperature surrounding the switch body will be different from the gas temperature.

SOLON ADVANTAGES

- Measure and regulate SF6 gas density and leakage
- Accommodates a wide temperature range
- Provides alarm at the reserve
- Lockout feature
- Compact footprint for flexible mounting
- Made in the USA

CUSTOMER BENEFITS

- Economical alternative to costly system enhancements
- Requires no maintenance/field calibration



Solon® TC Density Switches



For additional information, please contact Solon Manufacturing Co.
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