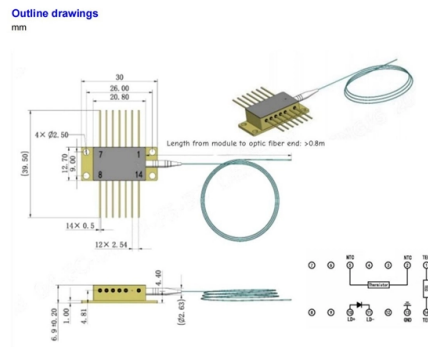


Distribution Box Temperature Control Device



Article Overview

Temperature control devices for distribution boxes include modular thermostats, wireless temperature sensors, and heating/cooling systems to maintain optimal conditions and protect electrical equipment.

Modular Temperature Controllers and Thermostats

Modular temperature controllers are designed to monitor and regulate temperature within distribution boxes and panels. They continuously measure ambient temperature and automatically adjust heating or cooling systems to maintain a set temperature, preventing overheating or freezing of electrical components. Key features include wide temperature measurement ranges, adjustable sensitivity, timers, digital displays, remote control options, and LED indicators for operational status. These devices are typically DIN rail-mounted, allowing compact integration into existing electrical systems and easy testing of functionality .

Wireless Temperature Monitoring

Wireless temperature sensors, such as the ATE series, provide real-time temperature monitoring for indoor switchgears and low-voltage distribution boxes. These sensors can be installed at critical heating points and transmit data to display devices or remote monitoring systems. This allows operators to track temperature fluctuations and respond promptly to prevent equipment damage. Wireless systems are particularly useful for high-voltage switchgears (3–35kV) and low-voltage switchgear...

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