

Transformer Temperature Controller

The TWSK Series transformer temperature controller is designed for container transformer stations such as Dry-Type and Cast Resin Transformers. It accurately monitors transformer windings, oil, and ambient temperature, providing real-time control of cooling and alarm systems.



ADDITIONAL IMAGES



Product Overview

Advanced Transformer Management

This transformer temperature controller provides comprehensive real-time monitoring and automated control for winding, oil temperature, and ambient humidity. It ensures system longevity by automatically activating cooling fans or dehumidification heaters based on configurable safety thresholds. With integrated RS-485 Modbus RTU communication, the device enables seamless remote integration into industrial PLC control systems for enhanced reliability.

Technical Specifications

Isolation Voltage	1 kV
Primary Temperature Sensor	Armored PT100 liquid sensor (three-wire)
Max Cable Length	20 meters
Communication Interface	RS-485, Modbus RTU
Display	3-digit LED

Core Functions

Automation Capabilities

- Over-temperature alarm and trip activation
- Automated cooling fan management
- Condensation and humidity control
- Winding and oil temperature monitoring

Applications

Suitable Applications

Box-type substations • Cast resin transformers • Dry-type transformers • Photovoltaic systems • Power distribution