IRISS Safe-Connect TSK-3 Service Kit

Overtemperature Indicator Labels and Paint

Overview

The TSK-3 Safe-Connect™ Service Kit are visual overtemperature indicators for electrical assets. Using a patented Thermochromic technology, these easily-installed labels provide a color-changing visual indicator that work in tandem with IR inspection windows from IRISS as part of the visual component in the inspection process prior to and between infrared and ultrasound inspections. With a memory-effect feature, these non-conducive labels provide inspectors with a permanent visible warning of an overtemperature event.



Kit Contains: 20x TW70 Wraps, 20x TW90 Wraps, 20x Thermo-TA Labels, 20x Thermo-T-MAX Labels, 20x TSBB Labels, 20x TS52 Labels, 1x TP70-W/R-.5 Paint

Key Features

Simple Application
Easy and quick installation, simply apply to your electrical and mechanical assets with direct visibility.

Easy to Read
The thermochromic indicators provide a highly visible predictive warning.

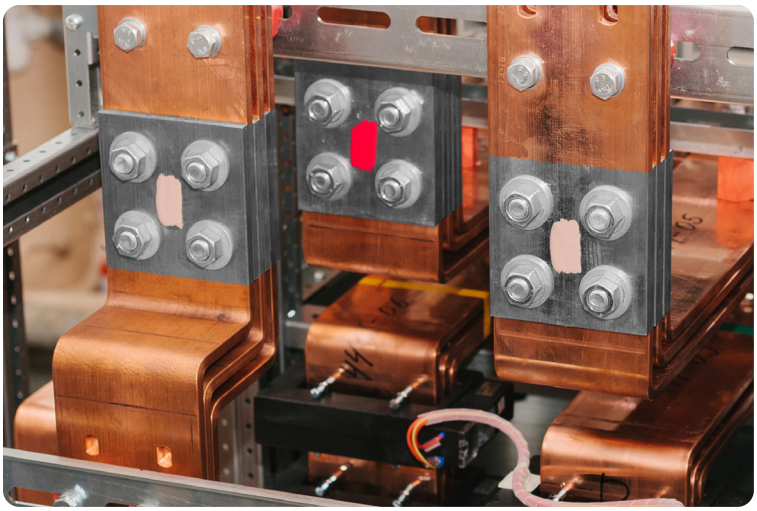
Thermo-Lock Technology
Our patented thermochromic technology enables the indicators to change and lock color to signal elevated temperatures.

Elevated Temperature Indication
Provides 24/7 monitoring and visual indication of elevated temperatures.

Cost-Effective Solution
Minimum investment for an increased and noticeable improvement to your Operations Safety and Reliability Program.

Passive Design
Temperature-responsive color changes as a passive visual alert system for hazard detection and prevention.





Specifications

Model	TW70	TW90	Thermo-TA	Thermo-T-MAX	TSBB	TS52
General Specifications						
Adhesive Type	Acrylic					
Carrier	Polyester					
Covering Film	Polyester					
Response Time	2 to 5 seconds					
Color Change Material	Non-toxic, white crystalline solid on a black absorbent backing				Non-toxic, white crystalline solid on a red absorbent backing	
Activation Temperature	70˚C / 158˚F	90˚C / 194˚F	50˚C / 122˚F	50˚C / 122˚F	52˚C / 126˚F	52˚C / 126˚F
Tolerance	Approx +/- 1°C					
Storage	Store at room temperature & humidity (i.e. 16°C to 27°C & 40% to 60% RH)					
Service Life	5 years				3 years	
Dimensions	18mm x 115 mm (0.71” x 4.53”)	18mm x 115 mm (0.71” x 4.53”)	55.5mm x 21.3mm (2.2” x 0.84”)	55.5mm x 21.3mm (2.2” x 0.84”)	100 mm x 45 mm (3.94 “ x 1.77 ”)	Ø 17mm (0.67”)

Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

*Installation: Peel the Thermo-TA™, Thermo Wrap™, Thermo-T-MAX™, Thermo Spot-B™, or Thermo Spot™ temperature-indicating label from the backing paper. Apply to a dust & grease free surface. If applying to a cable, preferably wrap the self-adhesive label around the cable and back on top of itself. For indoor use only.

*Caution: These labels are designed to use on electrical equipment and as such electrical safety must be assessed by a competent electrician prior to their application.

Model	TP70-W/R-.5
General Specifications	
Container Size	0.5 fl oz
Container Type	Bottle
Base Materials	Silicone free water based acrylic with organic pigments
Permanent Color Change Temperature	Approx 70°C – will show 50% full color strength at 70°C
Permanent Color Change Color	Red
Tolerance	Approx +/- 1°C, Heavier coatings will appear to show color earlier than thinner ones
Response Time	5 to 20 Seconds at temperature of 70°C, approx 1 minute for full color change
Storage	Store at room temperature & humidity not in excess of 25°C / 77°F, or cool but avoid freezing.
Product Lifespan	12 months unopened

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*Limitations:

- The Safe-Connect Series of products are not suitable for unprotected use outdoors or in direct sunlight. They are vulnerable to degradation and non-performance from prolonged exposure to ultra-violet (UV) light or high Relative Humidity.
- The Safe-Connect Series will not prevent electrical faults or fires but will aid in monitoring abnormal temperatures and will give visual indication of potential electrical faults and fire risks.
- The Safe-Connect Series do not replace the need to formally install, test, inspect and maintain electrical installations as per the Electricity at Work Act, Electrical Installations Wiring Regulations and Manufacturer’s Instructions.
- This information is provided solely for consideration, investigation and verification by the user. The Safe-Connect Series of products are made to the highest standard however they are not suitable for all environmental applications. The customer must ensure that they are suitable for use in their application.





