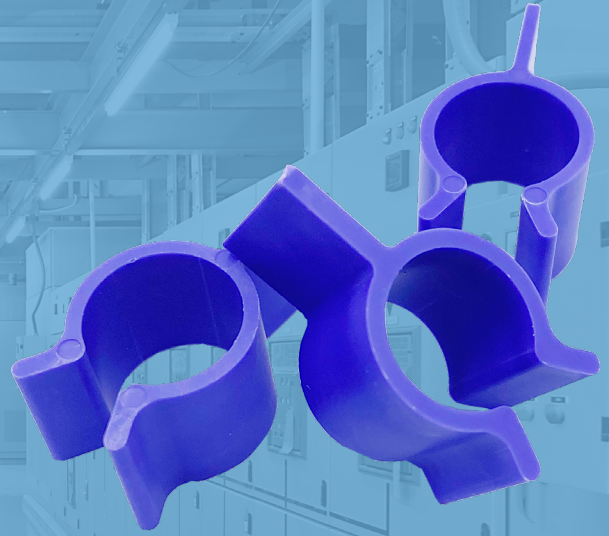


# ThermoClip™ Series

Fixed-Wire Overtemperature Indicator Clips  
for Electrical Equipment



## Simple Application

Easy and quick push-on installation means no de-energizing or disconnection is needed

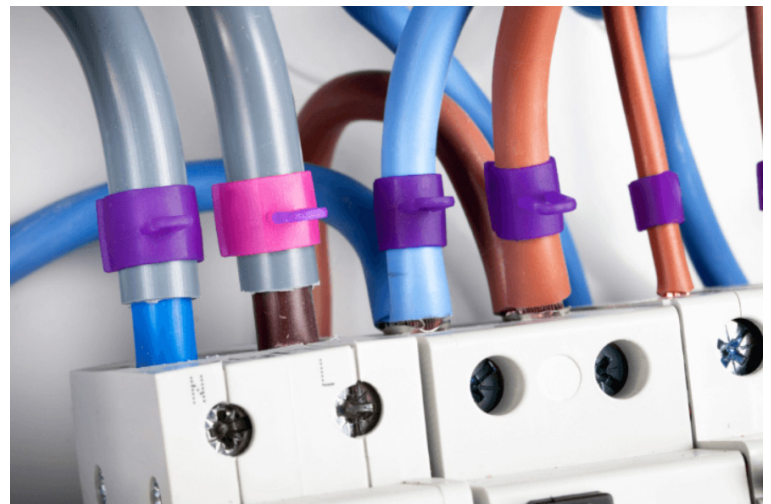
## Easy to Read

The thermochromic material provides a highly-visible predictive warning when viewing through inspection windows

## Broad Coverage

Multiple models available to provide for varying wire sizes 17AWG to 750MCM wires. Suitable for circuits rated 36kVAC/600VDC

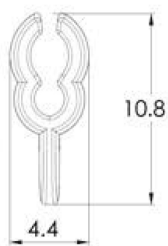
The ThermoClip™ Series serve as overtemperature indicators for electrical assets. Using a patented thermochromic technology, these easily-installed clips provide a color-changing visual indicator that work in tandem with the large format windows from IRISS as part of the visual component in the inspection process prior to and between infrared and ultrasound inspections. With a memory-effect feature, these non-conductive clips can also let inspectors see a permanent record of overtemperature excursions in intermittently loaded systems.



# Specifications

H170	H270	H370	H470	H570
17-12 AWG Wire Range	10-6 AWG Wire Range	4-2/0 AWG Wire Range	3/0-350 MCM Wire Range	400-750 MCM Wire Range
2.3-4.2 mm OD	4.8-7.1 mm OD	8-13.6 mm OD	13.8-23 mm OD	23-31 mm OD

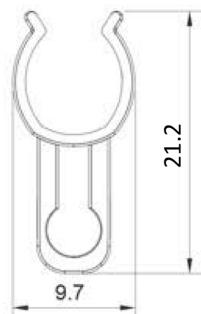
HEIGHT = 7mm



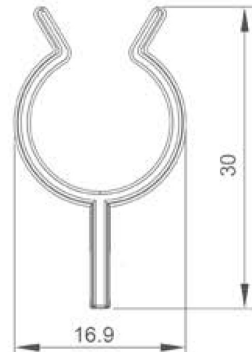
HEIGHT = 7mm



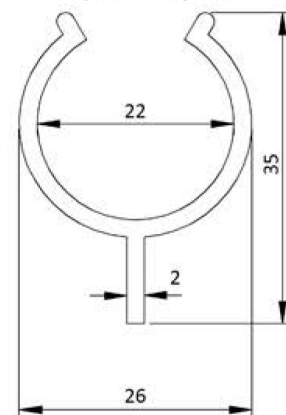
HEIGHT = 10mm



HEIGHT = 14mm



HEIGHT = 14.5mm



DIMENSIONS IN MILLIMETRES  
NOTE: IMAGES ARE NOT TO SCALE

Physical Properties	
Base Materials	5-10% Thermochromic Plastic. 90-95% Polypropylene, flame retardant to UL94V0 self extinguishing rating, non-halogenated.
Initial Color Change Temperature	53°C / 127°F
Permanent Color Change Temperature	70°C / 158°F
Tolerance	+/- 1°C
Response Time	5 to 20 Seconds
Recommended Storage	Store at room temperature & humidity (i.e. 16 to 27°C/60 to 80°F & 40 to 60% RH)
Product Lifespan	Replace overtemperature connection indicators within a maximum lifespan interval of 5 years.
Dielectric Strength	44Kv Per mm
Wire Insulation Rating	36kVAC/600VDC

**\*Installation:** ThermoClip™ Series Clips are designed to be push fitted only onto the outer insulation of a cable, adjacent (15mm-30mm distance) to its connection terminal. ThermoClip™ should not be inserted anywhere into the current carrying path of the circuit or directly attached to bare live metal parts of the circuit.

**\*Caution:** ThermoClip™ Series are designed for use on electrical cables and as such installation must be assessed by a competent electrician licensed to applicable local requirements prior to their application.

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.iriss.com](http://www.iriss.com)



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ENGINEERED RELIABILITY

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