



FLUOROPTIC® THERMOMETER

ThermAsset2®

Fiber Optic Winding Hot Spot Temperature Controller for Smaller Power Transformers

MORE CONTROL

The ThermAsset2 controller is designed to measure transformer winding hot spots in real time and activate control of the cooling system allowing optimum operation of the transformer at safe load capacity during overload conditions.

Because of its price the ThermAsset 2 Controller is a cost effective solution for small and medium size power transformers, which often take the brunt of an overload condition and thus are most likely to be damaged without proper control.

The ThermAsset 2 Controller is based on the same Luxtron FOT Technology, same probes, as used with our well established field proven WTS-22 product line and accepted for years world wide as the standard by the Industry for large transformers.

It is an established fact that controlling the cooling system from conventional top oil temperature measurements lack hours in responds time versus real time from hot spot measurements originating at the winding of a transformer.

ThermAsset2, standard configuration, comes with 6 Form-C (12Form-A/B optional) programmable relays. It is the right controller to activate automatically and reliably your Cooling System (Fans & Pumps).



Direct, Real Time, Accurate Measurement of Hot Spot Temperatures, -30 to 200°C

Key Features

- Choice of Two or Four Measurement Channels
- Programmable Setpoints and Relays have Individual LED Alarm Indicators
- System Fault Relay and Status Indicator
- Solid State LED Light Source (No Lamp Replacement)
- 3000V Surge Protection (IEEE C37.901-1989)
- Ring Lug Connection for External Electrical Connections

Probes

- PFA Teflon Jacketed Kevlar Cabled
- Rugged Probes Immune to RF and EMI
- No Drift, No Calibration Required
- New Leak-proof Welded Tank Wall Penetrators with Bolt-on Tank Wall Plate

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ThermAsset2

Economically Priced Primary Controller for Small and Mid-sized Transformers

Specifications

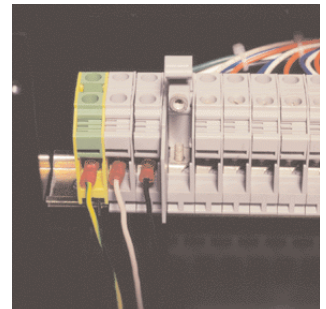
Number of Channels	2 or 4
Temperature Range	-30°C to 200°C
Accuracy	+2°C
Front Panel Display	Large ¾" LED for Each Channel
Probe Signal Strength Readout	Single Push Button Accessible for All Channels
Input Power	Universal AC/DC [90-265VAC/DC]
Serial Output	RS-232
Number of Relays	6 Form-C Programmable Cooling Control and Alarm Setpoints Either Factory Programmed or Via RS232 from Computer
Temperature Data Storage	Retains 30 days at 1 Reading/Minute and Max Temperature Each Channel Retained until Reset by User
LED Alarm Indicators	One for Each Relay
System Fault Relay	1 Form-C Relay
System Fault Status Indicator	2 LED's (Green OK, Red Faulty Condition)
Surge Protection	3000V (IEEE C37.901- 1989)
Connectors	All Ring-Lug Terminals
Operating Temperature range	-40°C to +70°C
Storage Temperature	-30°C to +75°C
Probes	Accepts all Luxtron Ruggedized Probes



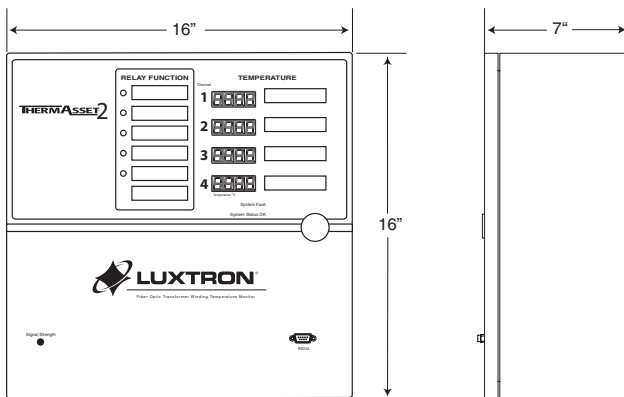
More flexible armored probes eliminate probe failure

Optional Features

Relays	12 Form-A/B Relays
Analog Output	4-20mA or 0-1mA



Ring-lug connectors for external electrical connections.



Complete ThermAsset Solution Should Include

- ThermAsset2 Instrument
- 4 Fiber Optic Probes*
- Tank Wall Adapter Plate* with Feedthroughs
- External Fiber Optic Extension Cable*
- Optional Front Panel LED Display *
- Optional Tank Wall Cover Box*

* Indicates items sold separately

Your local Luxtron representative is:

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