TRACENET™ GENESIS
CONTROL AND MONITORING SYSTEM

THERMON

Process heating, including electrical heat trace systems, has advanced significantly in recent years. Thermon's new TraceNet™ Genesis represents a quantum leap forward, incorporating the Industrial Internet of Things (IIoT) into thermal control and monitoring.

Having the tools to monitor individual heat trace circuit performance to the point of predicting (and perhaps preventing) challenges facing critical process lines and instrumentation is here, and it's called: TraceNet Genesis.

The TraceNet™ Genesis is fully networkable and provides the following features and benefits:

Accurate, Energy Efficient Control Functions:
- Ambient Proportional Control (APC, aka PASC) Or Basic On-Off Control Functions
- Line Sensing RTD - Accurate And Energy Efficient Control Functions, With Up To Twenty Addressable RTD Temperature Sensors
- Duty-Cycle Information That Reports Energy Usage From The Control Panel HMI

Day and Night Modes For Different Ambient Light Conditions.

Adjust display mode allows user to select mode to maximize viewing capability. Bonded display allows greater visibility.

Glove-Touch User Interface

Rotating the tear-drop cursor around the display circumference (or scaling up or down on the circuit number) will display the individual circuit dashboard for that heater.

Operators can see the status of up to seventy-two circuits at a glance.

Pre-assembled Controller Skids are an integral component of Thermon's total systems approach to provide you with the most cost effective heat tracing system.

- Reduce site installation costs
- Pre-wiring is done in a controlled environment
- Completed assembly is delivered to your site ready for hook-up to your main power feed(s)
- Reduce RTD and power wiring costs
- Reduce maintenance and total costs of ownership
- Components are secured to a structurally designed, pre-wired skid

Circuit History/Trending Data
Trending for up to six months allows user to monitor circuit performance for preventive maintenance for critical process lines.

Circuit Isometric Drawings
All pertinent information on any single circuit can be displayed along with the circuit isometric drawing for that specific heating circuit.

Features:

- Dashboard View Allows Visibility Of 72 Circuits
- View Alarm Status For All Circuits On Dashboard
- Allows Up To 20 RTD's Per Circuit
- Each RTD Is Addressable
- Control Panel – IP66 IP Rating
- Reduced Wiring And Connections
- Auto Software Updates
- TraceNet Genesis HMI Is IP66
- Bonded Display – Greater Visibility

The TraceNet™ Genesis is fully compatible with Thermon's TraceNet™ Command digital communications software, allowing versatile and complete data management functions with extensive histories for long term reporting and planning. All from locations established by the user – the control room, or anywhere else within the network.