GENESIS DUO™

DUAL-POINT CONTROL AND MONITORING SOLUTION

The **Genesis Duo**™ provides control and monitoring capabilities for one or two heat tracing circuits with input from up to two intrinsically safe RTDs per circuit. The **Duo** can be configured to control and limit with dedicated intrinsically safe RTD inputs for the limiter channel. **Genesis Duo**™ has a 4.3" glove touch capable LCD display with an additional light ring for visual indication.

Genesis Duo™ is also native to the **Genesis Network**™ requiring no additional hardware to communicate with Thermon's state of the art supervisory and management platform.

THERMON GENESIS DUO™ CONTROL AND MONITORING UNIT OFFERS THE FOLLOWING:

Efficient Configuration and Operation: With the glove touch enabled 4.3" LCD operators can quickly program the **Genesis Duo**™ and access all readings. The touch interface is extremely intuitive and requires little training to get up and running.

When the **Duo** is connected to **Genesis Network**™ configuration and operation can be done from a centralized location to enable a distributed controls network.

Upgraded Communications: The **Duo** is **Genesis Network**™ native with the built-in wireless mesh or wired ethernet. The **Duo** can also optionally be connected directly to any plant DCS system via Modbus TCP or Modbus RTU. Modbus Memory maps are compatible with the TCM2 controller to enable a drop in replacement option.

High Temperature Limiter: The **Duo** can be configured as a single channel with a high temperature limiter. The high temperature limiter functionality is isolated and has dedicated RTD inputs. The **Duo** when enabled with the limiter function meets the requirements of IEC/EN/UL/CSA 60079-30-1 for controlled design to limit energy to the heat trace in explosive atmospheres.

THERMON GENESIS NETWORK™

The Thermon Genesis Network™ consists of a control room server, a gateway, and a collection of field deployed bridges/nodes that form a wireless mesh communications network. Alternatively, the network can be made via a traditional wired Ethernet network. The Genesis Network™ connects all heat trace panels and controllers to the control room and gives visibility of all assets from a single dashboard and user interface that can be accessed from any browser.

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