

Powerful Gas Line Controller Features Built-In Diagnostics and Multiple Input and Output Capabilities for Maximum Flexibility and Control

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The EZ-ZONE® RMG is Watlow's new controller for gas delivery applications. The rail-mounted controller is versatile in regards to mounting within the gas chamber and provides distributed control up to 12 amps from four outputs (up to three amps per output).

The new EZ-ZONE RMG features Watlow's Adaptive Thermal System (ATS) technology, which provides detection of mis-wired heaters by offering a "ping" feature test system allowing users to obtain immediate feedback from soft power prior to turning on the main power. A small amount of power is applied and the system is tested against the input data from the free software tool, and if any data does not match, including ground fault detection, a fault condition occurs signaling the built in global relay to shut down the system. This feedback prevents catastrophic conditions associated

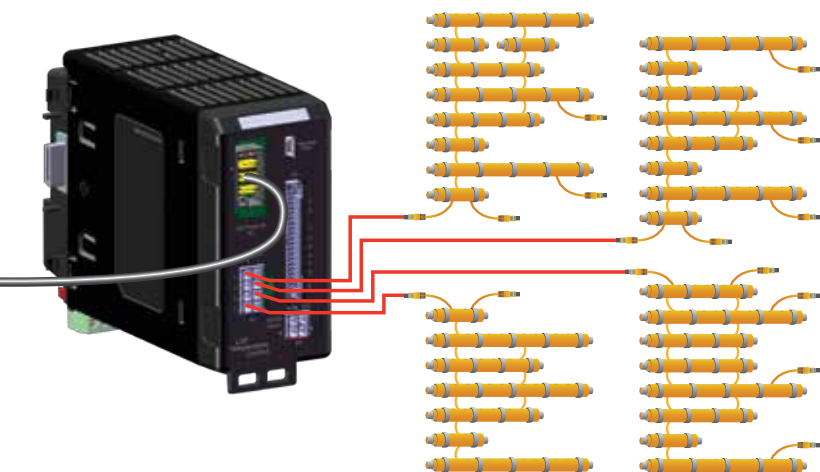
with overheated or cold spots within the gas line system.

The EZ-ZONE RMG also offers a combination of thermocouple inputs (up to 18 per printed circuit board assembly) and field effect transistor outputs (four three-amp outputs). The module can be ordered in multiple arrangements; with inputs and outputs, inputs only or outputs only. This ability to mix and match inputs and outputs allows for maximum system flexibility.

Multiple EZ-ZONE RMG modules can be used together to make up multiple loops of control. Alternating switching technology is built in to provide for maximum ambient conditions whereby all four outputs are not full-on at the same time. The EZ-ZONE RMG can also be used in conjunction with any other EZ-ZONE RM series controller. For example, additional thermocouple inputs from the gas line module can be mapped to outputs within the EZ-ZONE RME module.



Multiple gas line control



Features include

- > Adaptive Thermal System (ATS) capabilities
- > Built-in diagnostics
- > Multiple inputs and outputs
- > Free software
- > Plug and play; adapts directly with EZ-ZONE RMZ EtherCAT® module

Powered by Possibility



Find the thermal solution for your application, contact Watlow today.

Contact us at www.watlow.com