



## Graphite® Module, Single PID, Relay Outputs, Analog Outputs

Item number: GMP1RA00

The Graphite single PID module provides dedicated single loop PID control for your Graphite® products. Configure and integrate high-density multi-zone systems in minutes with drag-and-drop programming. Stay in control with universal input capability, 3 relay outputs and an analog output.



*Reliable, versatile PID control module for Graphite® products*

### Features and benefits

- ✓ **Dedicated single loop PID control for Graphite® devices**  
Fully isolated, high-performing PID controller for use with Graphite® HMIs. This version offers dedicated single PID loop input.
- ✓ **Multiple control modes and Auto-Tune feature**  
Operates in On/Off, P, PI, or PID control mode. Use the on-demand Auto-Tune feature to establish PID settings and tuning constants, or operate in manual mode for direct output control.
- ✓ **Simple setup with Crimson® configuration software**  
Configure new systems and perform routine re-calibrations with Windows® compatible Crimson® configuration software. The user-friendly graphical interface makes programming quick and easy.
- ✓ **Designed for harsh environments**  
Durable metal construction. CE approved. ABS Type approval for shipboard applications. Operating temperature of -40 °C to 70 °C
- ✓ **Universal input capability**  
Accepts thermocouple and RTD inputs and 0/4 to 20 mA and 0 to 10 V signals.
- ✓ **Overshoot suppression feature**  
Unique feature allows quick response without excessive overshoot.
- ✓ **LED status and alarm indicators**  
Status LEDs display module condition, output status and alarm conditions. Reconfigurable for alarm requirements, control features and temperature.
- ✓ **Module powered by Graphite® HMI**  
Power is supplied by the Graphite® host device. Maximum power: 3.3 W.

# Graphite® Module, Single PID, Relay Outputs, Analog Outputs



## General

Net Weight (g)	0.01
Packed Width (mm)	149.225
Packed Height (mm)	79.375
Packed Depth (mm)	168.275
Packed Weight (g)	227.01
Relative Humidity	85% max relative humidity, non-condensing
Power Consumption (W)	0
Maximum Installation Altitude (m)	2000
Mounting	Wall mount
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	2

## Identification and Status

Product ID	GMP1RA00
Country of Origin	United States of America (the)
HS Code	8537109199
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

SD Card Slot	No
Flash Drive	No

# Graphite® Module, Single PID, Relay Outputs, Analog Outputs



## Physical Features

Contains Battery	No
------------------	----

## Display Features

Analog/Digital	Analog
----------------	--------

## Certifications and Standards

RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No
Vibration and Shock	Shock: IEC 68-2-27: Operational 40 g (10 g, modules w/ relays)