



Graphite® Digital I/O Module, 8 Inputs, 6 Relay Outputs

Item number: GMDIOR00

The Graphite digital I/O module easily connects any device or sensor to Graphite HMIs and can be used in conjunction with any Graphite modules. This isolated I/O module provides 8 DC voltage inputs and 6 relay outputs used. Monitor contact or sensor inputs and actuate relays and more.



Monitor and control remote devices easily and intuitively with Graphite® data acquisition modules.

Features and benefits

- ✓ **Adds digital I/O capability to Graphite® devices**
Eight inputs accept standard DC inputs or contact closures, configured for sink/source signals via external switches. Six Form A relay outputs available.
- ✓ **Fully isolated**
Inputs and outputs are isolated from each other and the power supply.
- ✓ **Flexible configuration**
Once programmed, the module can operate/control independent of the Graphite device as long as power is applied. Use in conjunction with any Graphite series module.
- ✓ **Non-volatile memory**
Retain all programmable parameters.
- ✓ **Easy to connect and remove**
Modules connect and communicate via proprietary USB connection to the various Graphite devices.
- ✓ **Simple setup with Crimson® configuration software**
Configure and perform routine re-calibrations with Windows® compatible Crimson® configuration software. The user-friendly graphical interface makes programming quick and easy.
- ✓ **LED status indicators**
Status LED displays the state of the module, including startup routine and error states.
- ✓ **Designed for harsh environments**
Durable metal construction. CE approved. ABS Type approval for shipboard applications. Operating temperature of -40 °C to 70 °C
- ✓ **Module powered by Graphite® HMI**
Power is supplied by the Graphite® host device. Maximum power: 3.6 W.

Graphite® Digital I/O Module, 8 Inputs, 6 Relay 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	GMDIOR00
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® Digital I/O Module, 8 Inputs, 6 Relay Outputs



Physical Features

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

Certifications and Standards

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