Graphite® Module: Crimson® Control

IEC 61131 Logic Control Programming

Red Lion's Graphite® Crimson® Control Module plugs into Graphite HMIs to form an all-in-one industrial solution that combines communication, control and visualization capabilities to reduce cost and ease operations.

Crimson Control, which is part of Crimson 3.0 software, enables organizations to use IEC 61131 programming languages – such as Ladder Logic, Function Block, Structured Text and Instruction List – to solve specific application needs by developing logic control much like a Programmable Logic Controller (PLC) or Remote Telemetry Unit (RTU) without the added expense. The end result adds IEC 61131 control functionality to provide a single solution for control, networking and data visualization without requiring additional panel space or a separate programming package.

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Industry Applications

- Factory automation
- Oil & gas
- Power & utilities
- Water/wastewater
- Industrial Internet of Things (IIoT)

Product Highlights

- IEC 61131 logic control programming
- Rugged evironmental specifications
- All-in-one industrial solution
- Easy configuration

Features & Benefits

- IEC 61131 Logic Control Programming
  - Use industry-standard IEC 61131 programming languages such as Ladder Logic, Function Block, Structured Text and Instruction List
  - Easy single-solution configuration eliminates need for third-party software
- All-in-One Industrial Solution
  - Combine communication and control capabilities to reduce cost and ease operations
  - Cost-effectively saves space and time
- Rugged Environmental Specifications
  - Wide operating temperature
  - CE, PESO, UL and UL Hazardous approvals
- Powered from Graphite Host
  - Simplifies deployment by eliminating external power
- Easy Configuration
  - Simple setup using Red Lion's Crimson 3.0 software

Graphite Module: Crimson Control Ordering Guide and Specifications

Ordering Guide

Part Number	Description
GMCC0000	Graphite Module, enables IEC 61131 control capabilities via Crimson Control

Module Specifications

Power
Power will be supplied by the Graphite host device. Some modules, depending on usage may consume high levels of power. This may limit the total number of modules that can be installed on a single Graphite host. Check the Graphite module and Graphite host data sheets for specific usage and power requirements.
GMCC Max Power: 1.1 W

LEDs
STS - Status LED shows module condition.

Environmental Conditions
Operating Temperature Range: -40 to +75 °C T_{AMB}, or lowest range among equipment used in your Graphite system. Consult the user manual or www.redlion.net/OpTemp for further details.
Storage Temperature Range: -40 to +85 °C T_{AMB}
Operating and Storage Humidity: 85% max relative humidity, non-condensing
Altitude: Up to 2000 meters

Certifications and Compliances
CE Approved
EN 61326-1 Immunity to Industrial Locations
IEC/EN 61010-1
RoHS Compliant
ATEX/UKEX Approved
II 3 G Ex nA IIC T4 Gc
DEMKO 14 ATEX 1387X
EN 60079-0, -11, -15, -31
UL23UKEX2879X
IECEx Approved
Ex nA IIC T4 Gc
IECEx UL 15.0035X
IEC 60079-0, -11, -15, -31
India PESO Approved:
A/P/HQ/MH/104/7441 (P549599)
UL Listed: File #E302106
UL Hazardous: File #E317425
ABS Type Approval for Shipboard Applications

Construction
Case body is all metal construction.

Connections
Removable wire clamp screw terminal block.

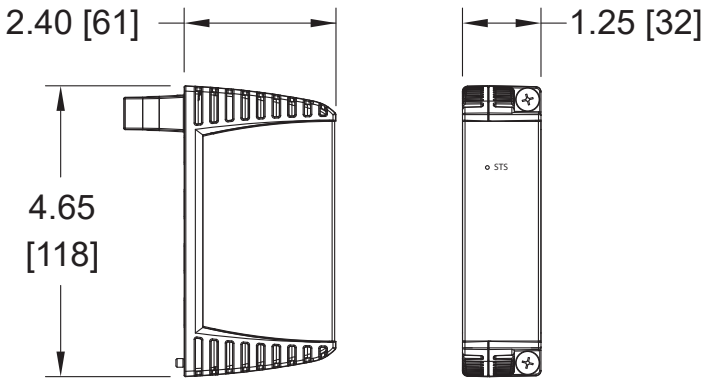
Mounting
Screws to host.

Weight
6.7 oz (189.9 g)

Warranty
2 years on design and manufacturing defects.
Specifications are subject to change.
Visit www.redlion.net for more information.

Graphite Module: Crimson Control Dimensions

Dimensions In inches [mm]



Red Lion is focused on being THE Industrial Data Company™. We empower industrial organizations around the world to unlock the value of data by developing and manufacturing innovative products and solutions to access, connect and visualize their information. Red Lion's global manufacturing and support facilities serve customers in major industry segments with solutions for cloud connectivity, edge intelligence, industrial Ethernet switches, panel meters and operator panels. Red Lion makes it easy to gain real-time data visibility that drives productivity. Red Lion is part of Spectris plc, the experts in providing insight through precision measurement.

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LD1116A 11 2023