

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.



Industry Applications

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

Product Highlights

- IEC 61131 logic control programming
- Rugged environmental 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/OptTemp 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

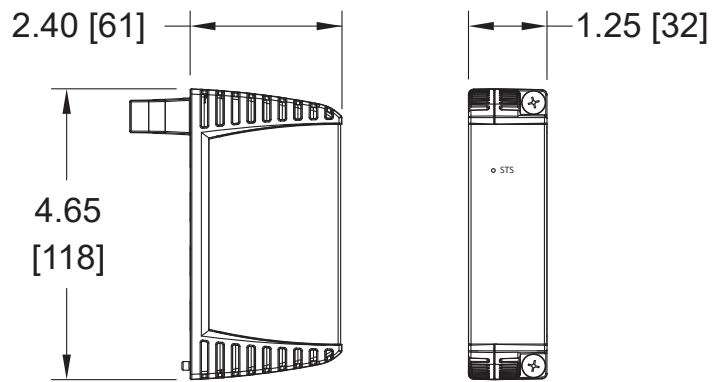
2 years on design and manufacturing defects.

Specifications are subject to change.

Visit www.redlion.net for more information.

Graphite Module: Crimson Control Dimensions

Dimensions In inches [mm]





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