MURPHY®
by ENOVATION CONTROLS

Configurable Analog and Digital Inputs

Start/Stop Control and Alarm Capabilities

IP67 Sealed Enclosure

CAN/J1939 Communications

Program with PowerVision Configuration Studio®

PROGRAMMABLE INPUT/OUTPUT EXPANSION MODULE FOR RUGGED INDUSTRIAL APPLICATIONS

The Murphy PowerCore CXM-110 configurable expansion module is an out-of-the-box fully sealed industrial I/O module for various environments and applications.

The CXM-110 module allows users to program and develop to the needs of the application using Murphy's PowerVision Configuration Studio.

This module features an abundance of I/O which can be used to add information to an existing CAN bus or create one.
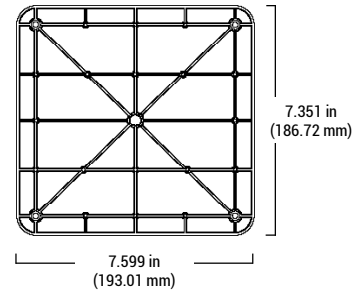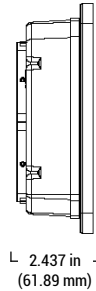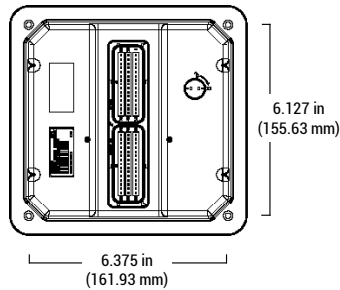
The CXM-110 is targeted to support any industrial application where additional I/O is needed and quality is desired.

Customize the software as an autostart or auto throttling controller with the ability to interface with one of the fully programmable displays in Murphy's portfolio of products.

Tier 4 Final ready Stage IV

CSA® C US

CE

IP 67

POWERCORE® **CXM-110**

CXM-110 DIMENSIONS

6.127 in
(155.63 mm)

6.375 in
(161.93 mm)

2.437 in
(61.89 mm)

7.351 in
(186.72 mm)

7.599 in
(193.01 mm)

CXM-110 SPECIFICATIONS

INPUTS AND OUTPUTS

INPUTS	(6) Digital, configurable (active on High, Low, Open)
	(8) Analog, configurable (4-20 mA, 0-5V, resistive or digital ground)
	(1) Frequency, supporting:
	    Magnetic pickup (30 Hz - 10 kHz, 2.0 VAC-120 VAC)
	    Engine Alternator (30 Hz - 10 kHz, 4.5 VRMS - 90 VRMS)

OUTPUTS	(6) Relay, Form C (dry / volt-free), 10A (2) Low-side FET (−DC), 1A (2) High-side FET (+DC), 2A (2) +5VDC, 200mA (1) 0-5VDC High Impedance Analog
CONNECTOR	Delphi, SICMA 90 Position

COMMUNICATION

CAN	(2) CAN 2.0B, SAE J1939 Compliant
SERIAL	(1) RS485, Modbus RTU
USB	(1) Programming

ENVIRONMENTAL

OPERATING VOLTAGE	8–32 VDC, reverse polarity & load dump protection
OPERATINGTEMPERATURE	-40°F to +185°F (-40°C to +85°C)
STORAGE TEMPERATURE	-40°F to +185°F (-40°C to +85°C)
SEALING	IP67 complete module
RELATIVE HUMIDITY	90% RH @ 60°C, 70% RH @ 85°C
VIBRATION	Random, 7.86 Grms (5-2000Hz), 3 Axes
SHOCK	±50G in 3 axes
EMC/EMI	SAE J1113
CASE	Polycarbonate
SHIPPING DIMENSIONS	9.5 x 9 x 5 in. (241 x 229 x 127 mm.)
SHIPPING WEIGHT	2 lbs. 7.1 oz (1.11 kg.)

Approved by CSA for non-hazardous locations (Group Safety Publication IEC 61010-1 Third Edition. Products covered in this document comply with European Council electromagnetic compatibility directive 2014/30/EU and electrical safety directive 2014/35/EU.

⚠ **WARNING**: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

FOR MODEL & PART INFORMATION

ENOVATIONCONTROLS.COM/CXM-110

FOR MANUAL & SUPPORT DOCUMENTS

SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT

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