



 Class 1, Division 2,
Groups A, B, C, and D
Hazardous Locations.



Emerson FX Drive Communication Module 3150-EMC

The Emerson FX master module can be found in many industrial sectors and in the following applications:

- Automated assembly
- Packaging
- Automotive manufacturing
- Converting
- Material handling
- Food processing

How to Contact Us: Sales and Support

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DISCONTINUED Emerson FX Drive Communication Module

3150-EMC

The Emerson FX Drive Master module allows the user to easily configure one or both ports and communicate directly over the backplane with the respective Rockwell Automation processors.

The 3150-EMC module allows Rockwell Automation 1746 I/O compatible processors to interface easily as a host with up to eight Emerson FX series drives (4 per port). The 3150-EMC (SLC) Emerson FX drive master module is a single slot solution.

Features and Benefits

All module setup and operating control is performed over the backplane through simple ladder logic and data table configuration. The only software needed is a ladder-programming package.

Hands-Off Operation

After the EMC module has been setup for operation, the module is capable of accessing many of the drive's configuration and control parameters. The EMC module is integrated directly into the PLC/SLC rack, forming a tightly integrated and practical solution. After configuration, the module will perform all protocol related functions as commanded by the ladder logic program.

The ProSoft module installs in any slot in a local or extended rack (or a remote rack in the case of the 3100 module).

Functional Specifications

- Two fully configurable serial ports, each capable of supporting up to four Emerson FX Drives
- Support for the storage and transfer of up to 12 Commands (6 per port) to the SLC data tables
- RS-232C communications
- Software configuration (from processor ladder logic)
 - VFP and DDP power of 10 selectable per drive addr
 - Drive addr1 to 4 are valid
 - Baud rate 300 TO 19,200
 - RTS to Tx D0 to 65535 ms, 1 ms resolution)
- Communication parameters default
 - 8 data bits, 1 stop bit, full duplex)

Hardware Specifications

Specification	Description
Backplane current load	3150 module for SLC 5V @ 0.15 A, 24 V @ 0.040 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	40 to 85°C (-40 to 185°F)
Relative humidity	5 to 95% (w/o condensation)
LED indicators	Module Status, Backplane transfer status, Serial port TX/RX activity LED, Serial port error LED status
Application Serial ports	DB-9M 3150 module RS-232/422/485 jumper selectable RS-422/485 screw termination included (two per module) RS-232 hardware handshaking (RTS/CTS, DTR) 500V Optical isolation from backplane

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

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