



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



Emerson FX Drive Communication Module 3100-EMC

Applications using 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

3100-EMC

The ProSoft 3100-EMC Master Module allows the user to easily configure one or both ports to actively exchange data with up to eight Emerson FX Drives.

The 3100-EMC (Emerson FX Drive Master Module) allows Rockwell Automation 1771 compatible processors to interface easily as a host with up to eight Emerson FX Series Drives (4 per port). The 3100-EMC (PLC) Emerson FX Drive Master Module is a single slot solution, which communicates directly over the backplane with the respective Rockwell Automation processors.

Features and Benefits

Simple to Use

All module setup and operating control is performed 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 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.

Installation, Set Up and Operation

The ProSoft module installs in any slot in a local or extended rack (or a remote rack in the case of the 3100 module). The product's capabilities are enabled and controlled with simple ladder logic and data table initialization.

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 PLC 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 rate300 TO 19,200
- RTS to TxD0 to 65535 ms, 1 ms resolution
Communication parameters default to:
 - 8 Data bits, 1 stop bit, full duplex
- A full listing of the supported EMC function codes is available upon request
- Error codes returned to the ladder processor per drive addr

Additional Products

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

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

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Hardware Specifications

Specification	Description
Backplane current load	3100 module for PLC 0.65 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% (non-condensing)
LED Indicators	Module status Backplane transfer status Serial port TX/RX activity LED Serial port error LED status
Application serial ports	DB-25F3100 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