

FloBoss™ 107 Enhanced Communication Module

The Enhanced Communication Module (ECM) for the FloBoss™ 107 Flow Manager ("FB107") provides communications over one four-session Ethernet port and one Universal Serial Bus (USB) 2.0 port.

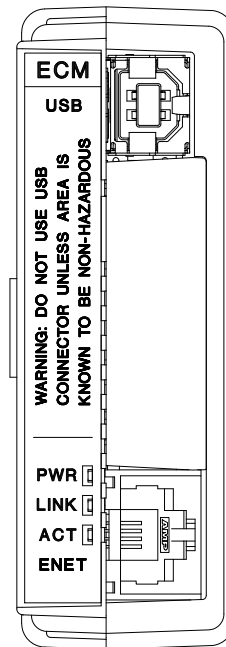
The Ethernet port allows up to four simultaneous independent connections into the FB107. Supported protocols include ROC, Modbus RTU Encapsulated in TCP/IP, and Modbus TCP/IP. In addition, the Ethernet port allows the FB107 to support Modbus TCP master, and up to 50 devices can be polled for data.

The USB 2.0 port allows a host to communicate with the FB107 through a standard USB connection. The

USB 2.0 port supports both ROC and Modbus protocols.

Up to two ECM modules may be installed in the same FB107. The module plugs into the main board of the FB107, which provides power and control signals to activate COM2 or COM3.

You can install a communication module in slot 1 or 2 on the main FB107. When a communication module is installed in slot 2, the communication port (COM2) on the CPU is redirected to the type of module installed in slot 2. Use ROCLINK™ 800 Configuration Software to configure the modules.

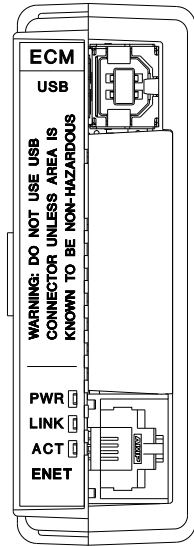


D0C0835B

Enhanced Communication Module

FloBoss 107 Enhanced Communication Module

Field Wiring Terminals



DDC0835B

Terminal	Label	Definition
1	USB	USB 2.0 Port
2	ENET	Ethernet Port

Communication

Ethernet	Quantity	1.
	Type	10BASE-T twisted pair. IEEE multi-segment 10 MB/second baseband Ethernet.
	Maximum Segment	100 m (330 ft).
	Protocols	ROC, Modbus master/slave (ASCII or RTU), Modbus RTU Encapsulated in TCP/IP, and Modbus TCP.
	LED Indicators	Power, Link, Activity.
USB	Quantity	1.
	Type	2.0 specification.

Power

Consumption	Main power supply loading at the Battery Terminals (at 12.0 V dc):	
	Idle	450 mW.
	Active	610 mW.
Isolation	Per FCC Part 68.	

Physical

Dimensions	82.55 mm H by 25.4 mm W by 127 mm L (3.25 in. H by 1.0 in. W by 5.0 in. L).
Weight	68 g (2.4 oz.).

Environmental

Same as the FB107 in which it is installed.

Approvals

Same as the FB107 in which it is installed.

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