

FloBoss™ 107 Dial-Up Modem Module

The Dial-Up Modem Module for the FloBoss™ 107 Flow Manager (FB107) provides communication over a Public-Switched Telephone Network (PSTN) at up to 2400 bits per second (bps).

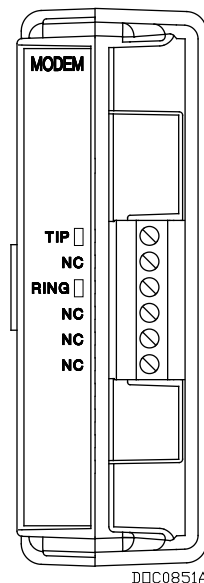
The module plugs into the main board of the FB107, which provides power and control signals to activate COM2 or COM3.

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.

Each communication module uses a separate channel from the other modules and has a common ground (“single-ended”). The field interface protects the electronics in the module.

The FB107 supports multiple communication protocols, including ROC protocol and Modbus protocol. An FB107 can act as a Modbus slave device (ASCII or RTU) on COM2 or COM3.

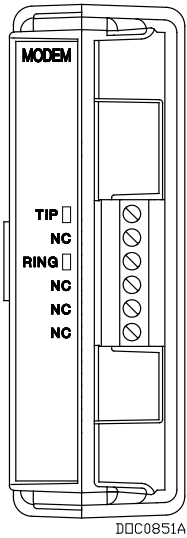
All modules have removable terminal blocks for convenient wiring and servicing. The terminal blocks can accommodate size 16 to 24 American Wire Gauge (AWG).



Dial-up Modem Module

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Field Wiring Terminals



Terminal	Label	Definition
1	TIP	Tip
2	NC	No Connection
3	RING	Ring
4	NC	No Connection
5	NC	No Connection
6	NC	No Connection

Communication

Type	Full-duplex 2-wire for dial-up PSTN.
Connector	Screw type.
Modem Standards	Bell 212A, Bell 103, V.22bis, V.22, V.21.
Data Rate	Up to 2400 bps asynchronous.
LED Indicators	Tip (Transmit) Ring (Receive)
Certification	FCC Part 68 approved.
Ring Voltage Detected	38 to 150 RMS, type B ringer.
Ring Frequency Detected	15.3 to 68 Hz, type B ringer.
Telephone Loop Current	20 to 100 mA when off-hook.
Data Transmit Level	-12 to -9.0 dBm, -10.5 typical.
DTMF Transmit Level	-2.5 to 0 dBm, average over 3 second interval.
Surge Protection	Conforms to 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.).
Wiring	16 to 24 AWG at the removable terminal block.

Power

Consumption Main power supply loading at the battery terminals (at 12.0 Vdc):

Typical	Active	24 mW
	Idle	10 mW

Isolation Per FCC Part 68

Environmental

Same as the FB107 in which it is installed.

Approvals

Same as the FB107 in which it is installed.

FCC Registration Number US:FSRMR06B107, REN 0.6B.

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