

Radio Interface Board (FloBoss™ 103 and 104)

The Spread-Spectrum Wireless Radio Interface Board provides radio communications for the FloBoss 103 and FloBoss 104. The Radio Interface Board consists of three parts:

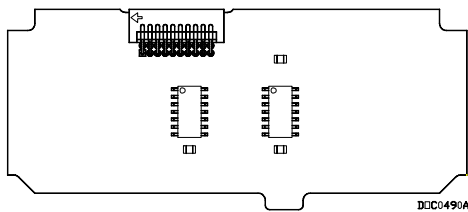
- A radio interface card with mounting hardware.
- An antenna adapter cable with SMA connector.
- A communications logic card.

The radio interface card provides radio communications through COM2 when used with a user-supplied FreeWave M-Series (Model FGRM-516X015) Spread-Spectrum wireless radio and antenna. Radio power control is also available through COM2 using ROCLINK™ 800 Configuration

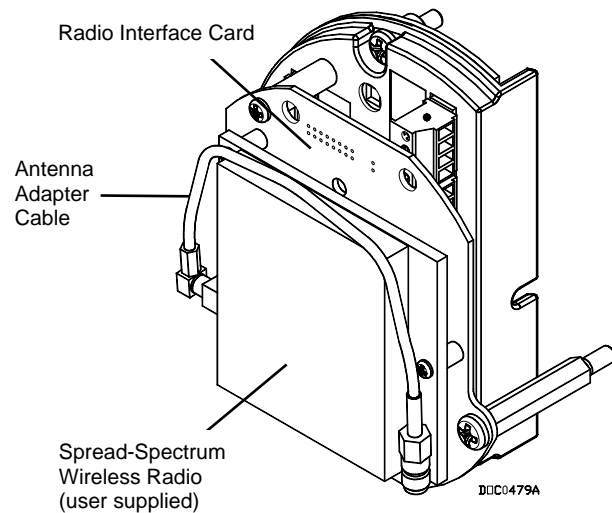
Software to provide a low-power mode when the radio is not communicating.

Although the radio interface board is intended for host communications, it may also be employed for operator access at the FloBoss unit. If the radio interface board is to be used solely for host communications, the Local Operator Interface (LOI) port may be used while the radio interface board is mounted and functioning in the FloBoss housing.

The radio module interface board uses a communications logic card, installed in the COM2 (host) communications card location.



Communications Logic Card



Installed Radio Interface Board and FreeWave Radio

Radio Interface Board Specifications

POWER REQUIREMENTS

Input Voltage Range (supplied by FloBoss): 5.5 to 7.5 V dc.

Current Consumption (with user-supplied radio installed):

At 6 V dc: Transmit 1000 mA, Receive 152 mA, Idle 40 mA, Sleep 8 mA.

At 30 V dc: Transmit 200 mA, Receive 43 mA, Idle 12 mA, Sleep 3 mA.

ANTENNA CONNECTOR

Straight SMA jack, female.

DIMENSIONS (with user-supplied radio installed)

91 mm H by 86 mm W by 15 mm D (3.6 in. H by 3.4 in. W by 0.6 in. D).

ENVIRONMENTAL

Same as the FloBoss unit in which it is installed.

APPROVALS

Meets the same North American standards and approvals as the FloBoss unit in which it is installed.

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