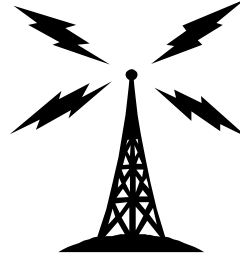


PRF
Environmental RF Modem

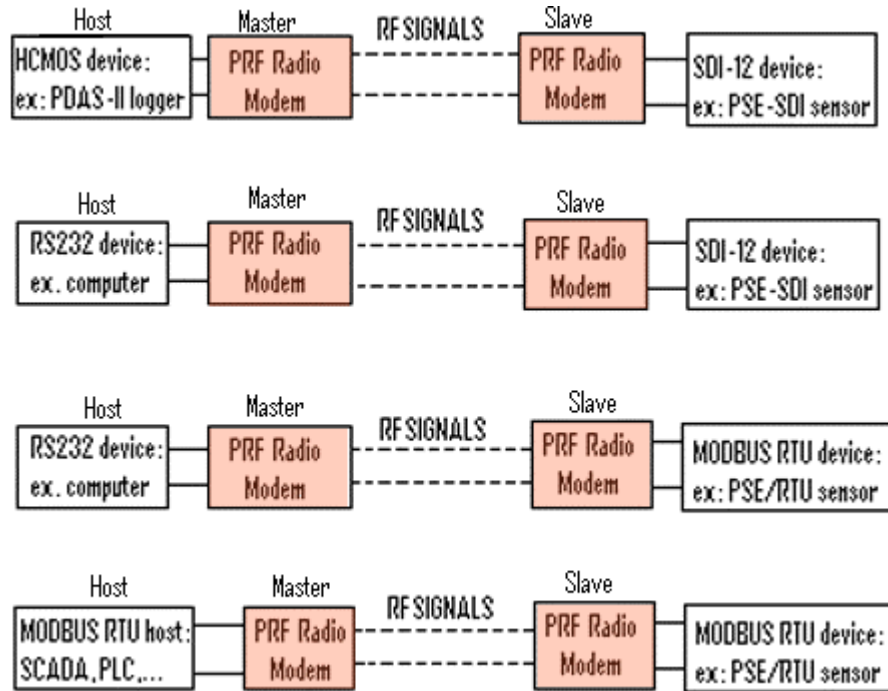


- **2.4GHz Transceiver**
- **Line-of-Sight Range of 2 miles**
- **Operates from -40°C to +85°C**
- **Powered with +12VDC**
- **Interfaces: SDI-12, RS232, RS485 (MODBUS RTU)**

PRF: Environmental RF Modem

The PRF Environmental Radio Modems are reliable and highly adaptable units which provide a wireless connection between a wide variety of communications interfaces including RS232, RS485 and HCMOS (eg. SDI-12) devices.

The PRF give your stand-alone devices wireless remote communications capability without having to purchase additional interface equipment. **HCMOS, RS232, MODBUS RTU and SDI-12 devices may be connected directly to the PRF.** This added capability is provided with reliability in all foreseeable environmental conditions. Shown below are some examples of the configurations that are possible with the PRF.



Specifications

Transceiver : Aerocomm AC3124
2.4GHz

Interfaces

User-configurable as slave or master. User-configurable to the following interfaces:

- SDI-12
- RS485
- RS232

Physical Characteristics

Painted steel enclosure (NEMA 4, 12):

Height - 152 mm. (6.0 in.)

Width - 152 mm. (6.0 in.)

Depth - 130 mm. (5.0 in.)

Weight : 1 kg (2.2 lb.)

Mounting : Welded bracket, Standard

Use four #10 bolts or screws.

The above information is believed to be true at the time of printing. AMASS Data Technologies Inc. reserves the right to modify specifications without notice. All trademarks are owned by their respective companies.

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Connectors

- Type N – female, antenna connection
- Screw terminals for power and communications lines

Power Supply

+10.5 to 15 VDC input for external battery, charger or power supply

Environmental Characteristics

Operating : -40 to +85 °C

Storage : -60 to +100C

Humidity : <= 100% non-condensing

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