



# Technical Bulletin

## Connecting PRF-1 Sensors to the RF Scout Plus

### Scope

This document explains how to connect and power the PRF-1 sensors from the RF Scout Plus.

### PRF-1 Power Requirements

The 24VDC outputs on the RF Scout Plus rear panel can be used to provide power to PRF-1 sensors. However, to keep the sensors cool and operating at optimal performance, it is highly recommended that a voltage divider be used. This lowers the PRF-1 power supply voltage to 12VDC. The cable harness supplied by Dielectric with the PRF-1 sensor has the recommended voltage divider built into the 6-pin connector as shown to the right.



### Installation

I/O connections for the RF Scout Plus are typically wired directly into a single 24 pin connector on the rear panel as shown below.



To accommodate the PRF-1 voltage divider circuit, additional 6-pin connectors have been supplied with the PRF-1 cable assemblies. Remove the 24-pin connector. Plug the PRF-1 sensor voltage divider circuit into the FWD and REF inputs. Use the supplied 6-pin connectors to wire the connections for RTD, REMOTE, PRESS and INTLK.

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Thank you,

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