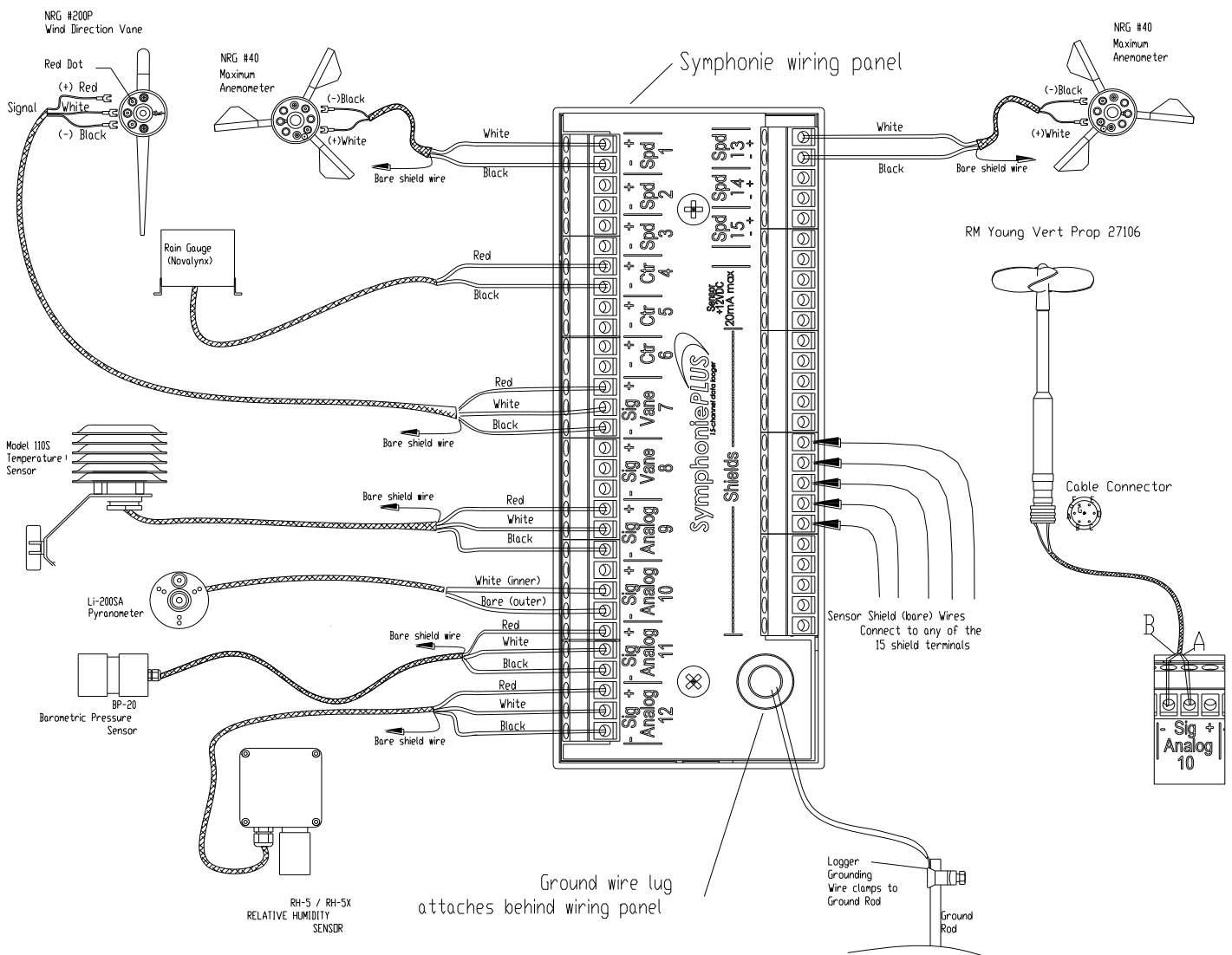


NRG Sensor Connections to SymphoniePLUS

Introduction

These instructions will assist you in connecting standard NRG sensors to a SymphoniePLUS logger and also provide the default slope and offset for each sensor type. These default values are preloaded in the SymphoniePLUS logger (except for iPack voltmeter and RMY Vertical Prop Anemometer) and the Symphonie Data Retriever (SDR) software. The values are included here as a quick reference only - please see the SymphoniePLUS manual for logger channel configuration.

Connections



Default Slope and Offsets for Symphonie

Both the Symphonie*PLUS* logger and SDR software come loaded with default slope and offset values for our standard sensors. Please note that these settings are specific to Symphonie and Symphonie*PLUS* and may not be the same values used for other data loggers. Some sensors are provided with sensor specific values that may be used in place of these defaults.

Sensor Default Slope and Offsets for use with Symphonie <i>PLUS</i>			
Sensor	Slope	Offset	Scaled Units
NRG #40 Anemometer	0.765	0.35	m/s
NRG #200P Wind Direction Vane	0.351	0	degrees
NRG #110S Temperature Sensor with Radiation Shield	0.136	-86.38	C
NRG #BP20 Barometric Pressure Sensor	0.4255	650	mB
Relative Humidity Sensor	0.097	0	%RH
Li-Cor #LI-200SA Pyranometer	1.32	0	W/sqm
Rain Gauge-Tipping Bucket	0.254	0	mm
iPack Voltmeter SCM	0.021	0	Volts
RMY Vertical Prop Anemometer	0.0293	-15.00	m/s