System Installation Wiring Overview

Version 1.00

Note 1: All wiring shall be sized appropriately for maximum current capacity.

Note 2: Bilge Pump Auto/Manual switch wiring shown here is a general configuration. Other wiring configurations maybe more appropriate for your vessel.

Note 3: Vessel Guard measures the bilge pump's current using a very low impedance hall effect technology. Measurement range is 0-25Amps.

Note 4: The Vessel Guard unit has an internal siren that can be set in software to alarm when bilge pump is active.

Note 5: The Digital Inputs to Vessel Guard have a high impedance of 4500Ω. These inputs can be connected directly to a 12V or 24V source.

Note 6: Door Magnetic Sensor closes an internal reed switch when the door is opened. This sends a 12V signal to DI2. This input can be configured in software to trigger the alarm system. Multiple Door Magnetic Sensors or step Pressure Mats can be wired in parallel to the one digital input.

Note 7: The Gas Detector will close an internal relay when gas or vapour is detected. This connects the 12V supply to DI4. This input is configured in software alarm and sends an SMS to the user.

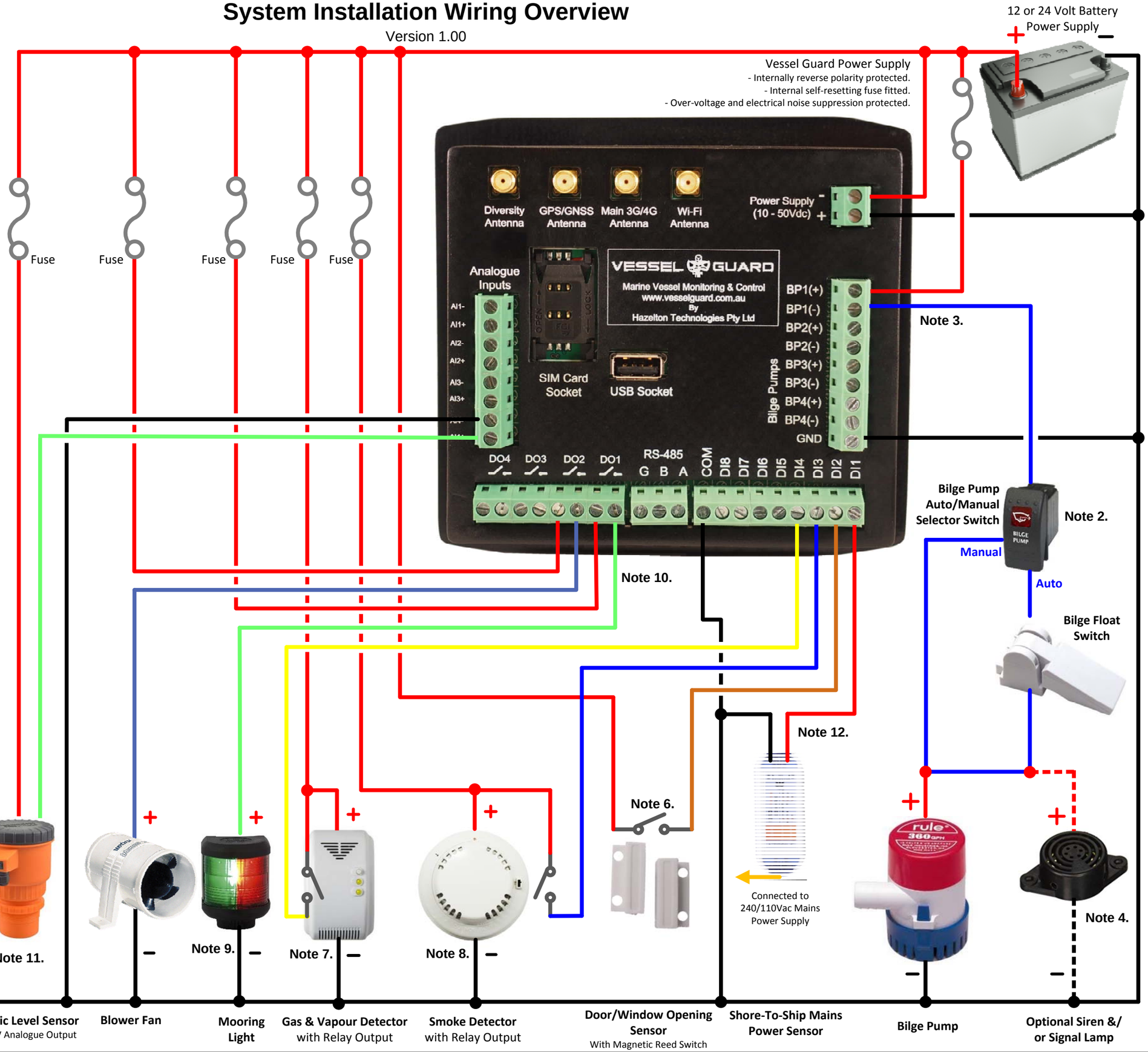
Note 8: The Smoke Detector will close an internal relay when gas or vapour is detected. This connects the 12V supply to DI3. This input is configured in software alarm and sends an SMS to the user.

Note 9: See www.hazeltontechnologies.com for more information on these units.

Note 10: When the internal relays of DO1 and DO2, the Blower Fan and Mooring Light turn ON respectively. A maximum of 3Amps can flow through each relay.

Note 11: The Ultrasonic Level Sensor can be installed in a water tank and outputs an analogue 0-10V output signal that is proportional to the water level. This is connected to V4IN.

Note 12: The Ship-To-Shore Mains Power sensor is wired into the 240/110Vac mains power supply, and produces 12Vdc into DI1. When mains power is lost, DI1 receives 0V which can trigger an alarm and an SMS to be sent.



VESSEL GUARD

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