1. **GND**
2. **PH**
3. **PHW**
4. **PHV**
5. **PHU**
6. **PG**
7. **ALM**
8. **+6.25V**

1. **VP**
2. **GND**
3. **PH**
4. **PHW**
5. **PHU**
6. **PG**
7. **ALM**
8. **+6.25V**

---

**Controller**

- **BLSD 48150 WDC**

- **POWER SUPPLY**
  - (+)
  - (−)

- **Motor** (see layout for wire colors)
  - Ø B
  - Ø C
  - Ø A
  - **GND**
  - S1
  - S2
  - S3
  - **VCC**

- **RPM Display**
  - (−)
  - (+)

- **0-5V Analog or PWM (1-2KHz) Signal**
  - (−)
  - (+)

- **3-5K Pot**
  - (−)

- **27K Resistor**

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**Description:**

BLSD 4850 WDC Wiring Diagram

- **Dimensions:**
  - A
  - B
  - C
  - D

- **Size:**
  - 940045-ASSY

- **Sheet:**
  - 1 of 1

- **Scale:**
  - 1:4

- **Controller Range (Reference):**
  - Voltage: 14-56 VDC
  - Current: 25 A (Continuous)
  - Ambient Temp: -10 to 45 °C

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**Diagram Notes:**

1. Not supplied by Air Squared. Shown for customer use.
2. See pump datasheet for operating voltage.
3. For onboard speed control (R-SV pot), standard configuration.
4. For external potentiometer speed control, set R-SV fully CW and remove 27K resistor. Optional configuration.
5. For external analog speed control, set R-SV fully CW and remove 27K resistor. Optional configuration.
6. SW1-SW6 preconfigured by Air Squared. SW7-SW10 to be configured using table on controller.
7. F/R input required for some units.
8. RPM display sold separately. Part no. 990483
9. Controller range (reference):
   - Voltage: 14-56 VDC
   - Current: 25 A (Continuous)
   - Ambient Temp: -10 to 45 °C

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