**INSTALLATION INSTRUCTIONS**

**NITRA AVS-5 SERIES SOLENOID VALVES**

**SERIES MANIFOLD**

- **AM SCREWS AND GASKETS**
  - **AVS SERIES SCREW SIZES**
    - AVS-51: M3-0.5x28L
    - AVS-52: M3-0.5x38L
    - AVS-53: M4-0.7x42L
    - AVS-54: M4-0.7x50L

- **INSIDE CONNECTOR**
  - "P, R & S" PRESSURE COIL LED LOCATED ON BOTTOM
  - SCREW TORQUE 9-18 IN-LB

- **LOCKABLE MANUAL OVERRIDE**

- **EXTENDED LIP ON GASKET GOES INTO MANIFOLD PORT**

- **RECOMMENDED MOUNTING SCREWS:**
  - AM-51: #8 OR M4
  - AM-52: #8 OR M4
  - AM-53: #8 OR M4
  - AM-54: #10 OR M5

- **AM SERIES MANIFOLD**
  - PRESSURE IN PORT
  - UNUSED "PRESSURE IN" PORT WILL NEED TO BE PLUGGED

- **AM-xxBP BLANKING PORT**

- **AM-51BP - M3-0.5x7L**
  - AM-52BP - M3-0.5x7L
  - AM-53BP - M4-0.7x8L
  - AM-54BP - M4-0.7x8L

- **"P, R & S" PRESSURE & EXHAUST PORTS LOCATED ON BOTTOM**

- **"A & B" PORTS**

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call AutomationDirect.com Tech Support at 770-844-4200
**AVS-51 Series**
9.4 mm DIN

- M3x0.5 X 30L SCREW
- TORQUE TO 9 IN-LB
- FOR 11mm DIN STYLE CONNECTOR
- FITS 0.24" TO 0.31" O.D. CABLE
- SOLENOID PLUG
- PLUG COVER
- TO OPEN:
  - USE 22-14 AWG STRANDED WIRE.
  - TORQUE TERMINALS TO 4 IN-LB.
  - FOR DC VALVES
    - 1 = DC+
    - 2 = DC-
  - FOR AC VALVES,
    - THE SOLENOID IS NOT POLARITY SENSITIVE

**AVS-52, -53, -54 Series**
11mm DIN

- M3x0.5 X 30L SCREW
- TORQUE TO 9 IN-LB
- FOR 11mm DIN STYLE CONNECTOR
- FITS 0.24" TO 0.31" O.D. CABLE
- SOLENOID PLUG
- PLUG COVER
- TO OPEN:
  - USE 22-14 AWG STRANDED WIRE.
  - TORQUE TERMINALS TO 4 IN-LB.
  - FOR DC VALVES
    - 1 = DC+
    - 2 = DC-
  - FOR AC VALVES,
    - THE SOLENOID IS NOT POLARITY SENSITIVE