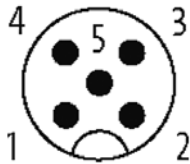


Vektex, Inc. 1334 East Sixth Ave. P.O. Box 625 Emporia, Ks. 66801 U.S.A.	<b>Instruction Sheet</b>	IS-	5502	
		REV:	A	
		ECN:	3123	
		DRAWN BY/DATE:	D. CHRISTIANSEN	8-24-16
		APPR/DATE:	GY	11/2/16
<b>Title Operating Instructions: Machine to Pump Control Wiring</b>				

**FAILURE TO FOLLOW INSTRUCTIONS WILL CAUSE VALVE FAILURE AND VOID WARRANTY.**

1. Read and understand this document in its entirety.
2. This pump is an on demand pump. This wiring controls the valve, not the motor. The motor is controlled by the power switch, pressure switch, and float switch.
3. No internal wiring required.
4. Disconnect power to pump.
5. Remove pendant supplied with pump and store for future use.
6. Connect the "Valve control cable" to M12 I/O block on enclosure mounting plate.
7. Valves are actuated by making contact between the brown wire and either white or black valve solenoid wire. The following color codes are listed below. Please note if the A and B solenoids do not operate in the correct order. Switch the position of the white and black wire.

**M12 MALE CONNECTION**



**4/3 VALVE:**

- BROWN(PIN 1): POWER (+24VDC)
- BLACK (PIN 4): SOLENOID A CONTROL (0VDC)
- WHITE (PIN 2): SOLENOID B CONTROL (0VDC)
- BLUE (PIN 3): UNUSED (0VDC)
- GREEN (PIN 5): GROUND

**3/2 VALVE:**

- BROWN(PIN 1): POWER (+24VDC)
- BLACK (PIN 4): SOLENOID A CONTROL (0VDC)
- WHITE (PIN 2): UNUSED (0VDC)
- BLUE (PIN 3): UNUSED (0VDC)
- GREEN (PIN 5): GROUND

8. Connect cable to controller following color codes above.
9. Connect power to pump.
10. Check for proper valve function.
11. If any instructions are not clear, contact factory at 1-800-992-0236.