



## ***C6000 Start-up Checklist***

Part Number: 99-529

This checklist is to assist in the start-up and preliminary testing of a C6000 Pump Control Unit (PCU). Refer to the C6000 Installation Manual and ProFuel2 User Manual for detailed instructions.

In order to proceed with the C6000 Start-Up the following minimum resources are required:

***C6000 PCU*** - ***Laptop Computer*** - ***ProFuel2 Software***

A Laptop or PC Serial Port or a USB-Serial adapter is required. (Female to Female, Null-Modem cable.)

The ProFuel2 database exports a SYSTEM.INI file and SEND Cards to allow keypad entry of #100 for testing pump 1.



### ***1. Initial Power-Up***

"Computrol" is displayed on power-up when the Front Panel has the factory configuration.



### ***2. Install the ProFuel2 Program***

With ProFuel CD in drive, use START - RUN - D:\Setup.exe and follow standard prompts.



### ***3. Checking Serial Communications Settings***

Use PCU-EDIT-COMMUNICATION SETUP(6) to set Comm.Port to 9600,N,8,1 with Xon-Xoff.



### ***4. Network Configuration Setup (if required)***

Use PCU-EDIT-SYSTEM(1) tab and COMMUNICATION SETUP(6) tab for DHCP setting.



### ***5. Check Reader Type Configuration***

Use PCU EDIT - PUMPS/PRINTERS/UI TAB(5) - UI CONFIGURATION.



### ***6. Initial Communications Test with PCU***

Use COMMUNICATION from ProFuel desktop and select MANUAL.



### ***7. Downloading a SYSTEM.INI - The C6000 Configuration File***

Use the COMMUNICATION - FILE TRANSFERS screen. EXPORT any changes first.



### ***8. Send 'Cards' Authorizations for Testing***

Use COMMUNICATION - POLLING and CARDS - SEND All Cards



### ***9. Checking IP Address Assignment***

If DHCP was configured, reset the PCU and use Print Status command.



### ***10. Check Pulsar DIP Switch Settings and Wiring***

Check Pump Control Board Pulse DIP switches SW5 and SW6.



### ***11. Test Pump for Control, Current Sense and Pulse Count***

Run test on Pump 1 to confirm proper operation and control.



### ***12. Address Switches for Pump Control Board and Front Panel Boards***

When adding/replacing boards check the DIP switch settings to confirm correct address.

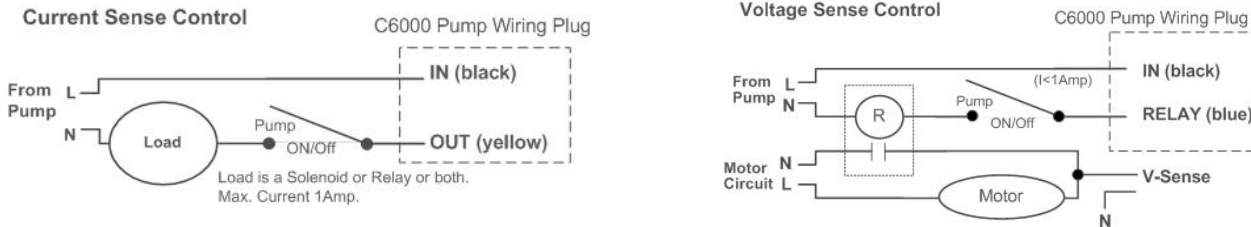
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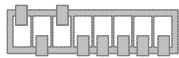
**Conduit and Wiring** - 4 Conduit runs include separate high and low voltage conduits.

- To Pump - High Voltage Conduit for 120 VAC control and Low Voltage Conduit for Pulse signals
- To 'Building' - High Voltage Conduit to dedicated 120VAC power circuit from electrical panel  
- Low Voltage Conduit for communication wiring: RS232 or LAN

**Pump Control Wiring** - Pump control wiring will follow one of the 2 wiring conventions shown.



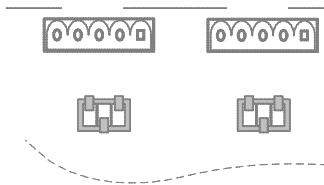
**Address Switches on Boards** - Pump Control and Front Panel Boards must be addressed correctly.



### SW2- Addresses for Board Identification

10100000 - Address 05 for 1st PCB- Pumps 1-2  
01100000 - Address 06 for 2nd PCB- Pumps 3-4  
(Address 1-4 typically reserved for Front Panel Board)  
Switch Locations: Pump Control Board- center of solder side,  
Front Panel UI Board - top, left corner

**Pulser Configuration Switches** - Factory setting shown in diagram as On-Off-On (101).



### Pulser Configuration Switch (1=ON 0=OFF)

1	2	3	Compatible Pulsers	Connections
0	1	0	Veeder-Root 100:1(V/R), Krause, D&H	- 12v,Pulse,(Gnd)
1	0	1	V/R 10:1, LCII., Fill-Rite	- Gnd and Pulse
0	0	1	10K Input for Active circuit 12/24v	- Gnd and Pulse

Switches SW5 and SW6 found on component side of board.  
Address Switch SW2 (reverse side) Position 8 enables 'Reset Pump' feature when ON.

**ProFuel 2 Software Screens** - PCU List and PCU Edit Menu Screen with Tabs 1-9

