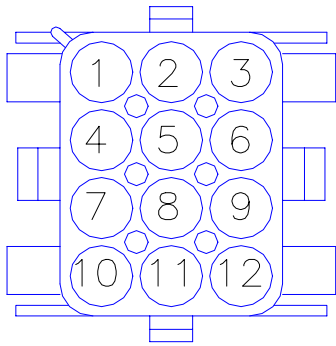
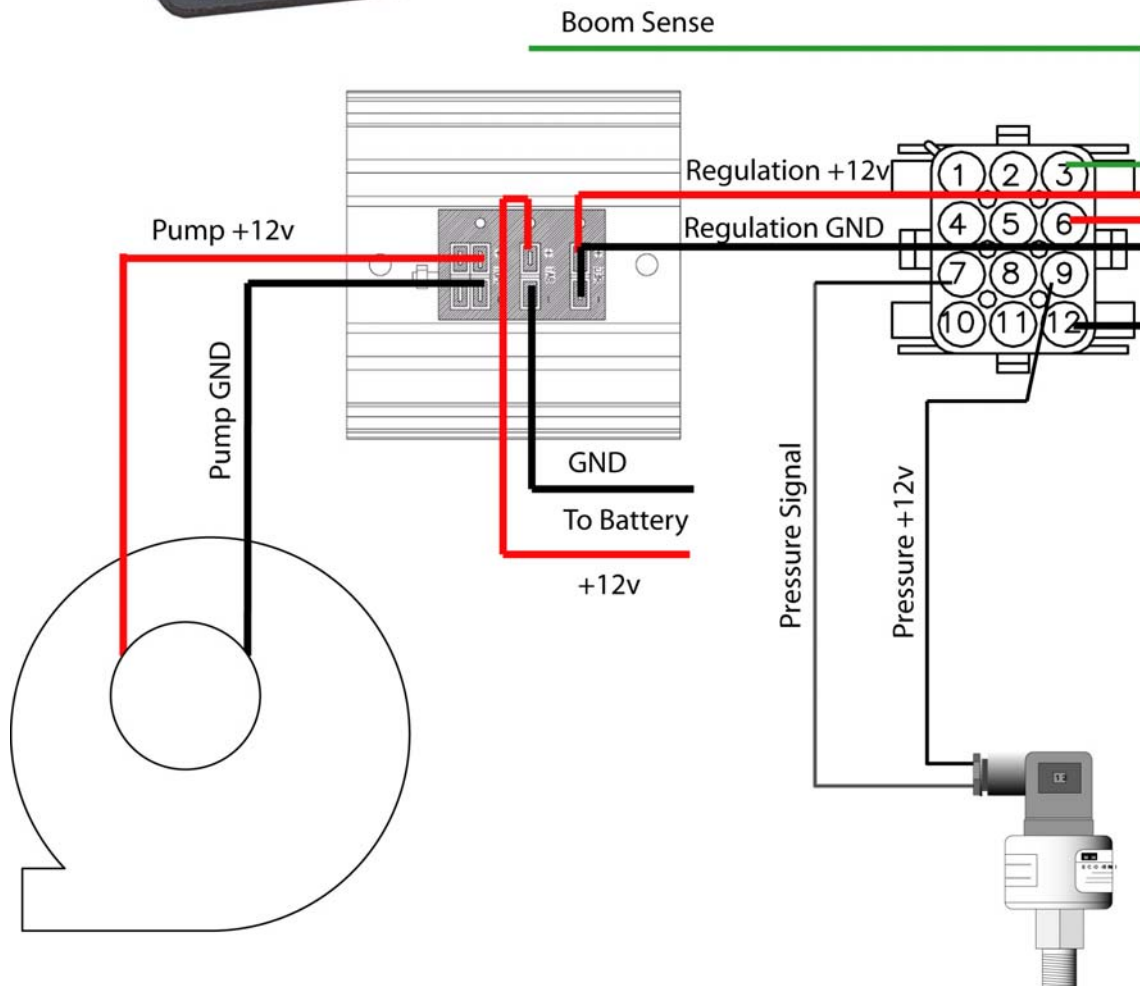


1. Connections table and Assembly

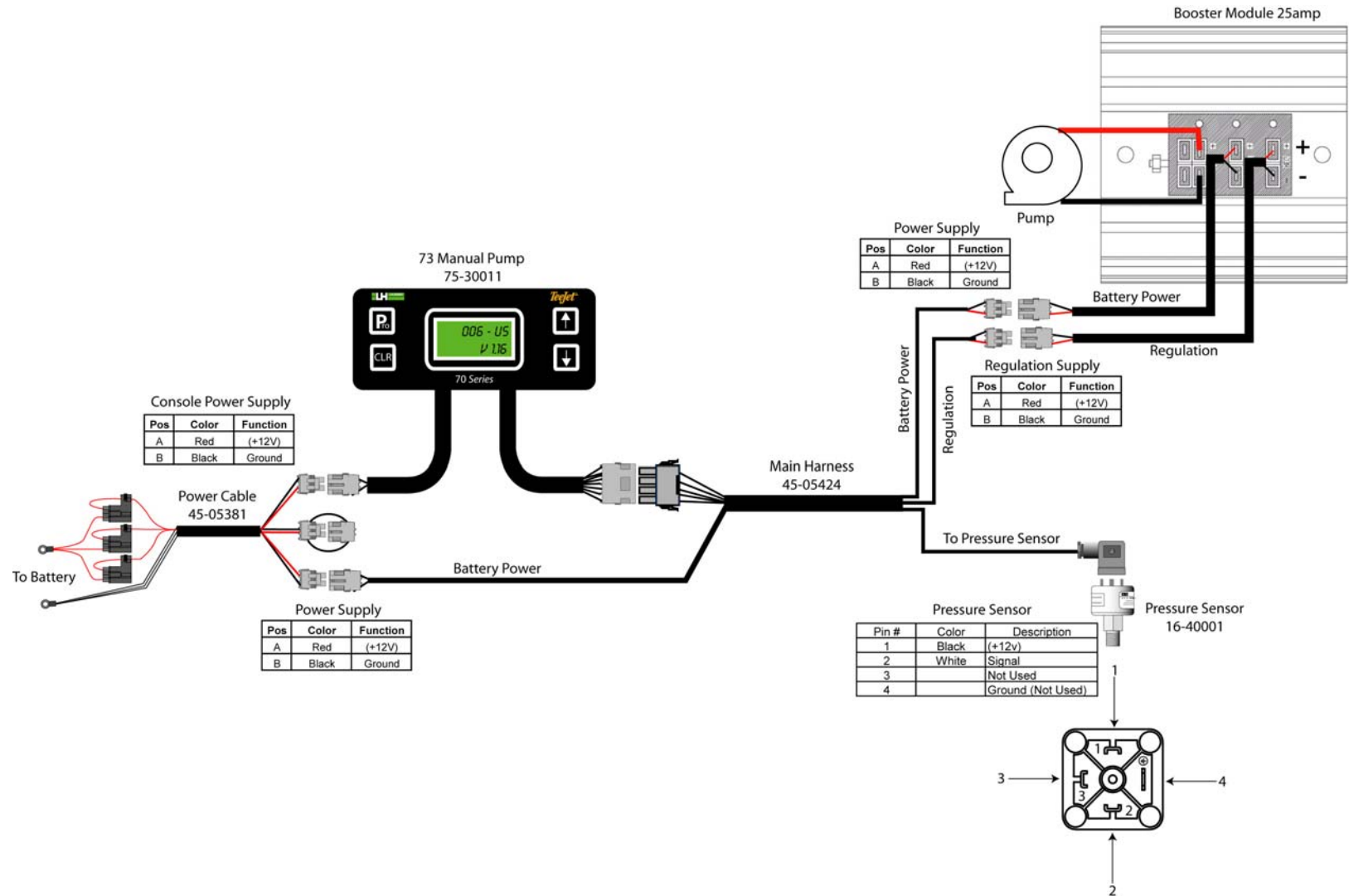



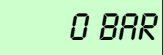
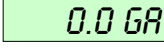
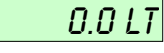
View from cable (45-05424) side

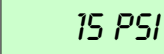
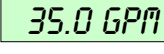
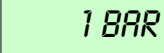
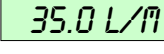
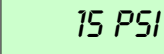
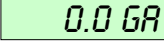
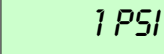
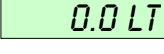
Contact	Color	Description
1		
2		
3	Green	Boom Sense input (+12v = work)
4		
5		
6	Red	Regulation output +12v
7	White	Pressure Signal
8		
9	Black	+12v Pressure Sensor
10		
11	Black	Regulation output -GND
12		

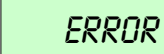
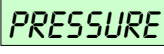

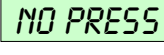
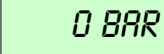
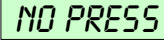


2. System overview



3. Generality		
Function	Key	Description
1. Power on	Pro	The unit will power on and show the first working screen   US Units  Metric Units 
2. Power off	↑ and ↓	The unit will power off
3. Selection of working screen	↑ or ↓	The first line on display show dose rate Second line is user selectable
4. Master Pump ON/OFF	Pro ON/OFF	If Boom Sense in NOT used Pro can be used to turn the pump ON/OFF

4. Functionality			
Function	Display	Possible actions	Comments
1. Pressure Flow When Master is ON	   	↑ to increase pump (pressure) RPM ↓ to decrease pump (pressure) RPM	Upper line : Actual pressure Lower line : Actual Flow rate
2. Pressure Flow When Master is OFF	   	CLR for 3 second to reset second line.	Upper line : Actual pressure Lower line : Accumulated volume or Total Volume

5. Alarms			
Function	Display	Possible actions	Comments
1. No Pressure Signal	 	CLR to disable alarm	Alarm message will appear on the second line indicating that no pressure signal is received; Check pressure sensor for damaged or bad connection.
2. No Pressure in system	   	CLR to disable alarm	Alarm message will appear on the second line indicating that there is no pressure in the system. Tank could be empty or pump could be stopped.

6. Program			
Function	Display	Possible actions	Comments
Access Exit		Push Pro for 3 seconds Push Pro for 3 seconds	Master must be off
1. Nozzle	NOZZLE SETUP	↓ to select another step Pro to enter nozzle setup (1.1) Push Pro for 3 seconds to escape program	
1.1	150 04 0.40 G/M 150 04 1.31 L/M	↑ ↓ to select a nozzle Pro to validate selected nozzle If a programmable nozzle is needed select programmable nozzle and push Pro go to step 1.2: programmable nozzle value.	
1.2	@ 40 PSI 1.43 G/M @ 2 BAR 1.12 L/M	↑ ↓ to modify gal/min value Pro to validate value	US Units Enter nozzle rating in gallons / minute @ 40PSI Metric Units Enter nozzle rating in liters / minute @ 2Bar
2. Pressure sensor	PRESSURE SETUP	↑ ↓ to select another step Pro to enter calibration (2.1) Push Pro for 3 seconds to escape program	Maximum pressure allowed by the sensor.
2.1	MAX PRS 150 PSI MAX PRS 10 BAR	↑ ↓ to modify max pressure value Pro to validate max pressure and go to the zero PSI calibration (2.2)	Max pressure rating for the sensor can be found on the sensor or by contacting your 70 series monitor distributor.
2.2	CALIBR. AT 0 PSI CALIBR. AT 0 BAR	Pro for auto calibration of the pressure sensor at zero PSI	!!! Be sure there is no pressure in the system !!!
2.3	DELTA PR 5	↑ ↓ to modify value Pro to validate value	This value is used to compensate the pressure drop between pressure measurement point and nozzle. If not needed, set it to 0. The higher the value, the higher the compensation.