

Pre-wet Controller

Installation and Operations Manual

CS-PWS-CB-552-01-A2 P/N 175911 552 Enclosure

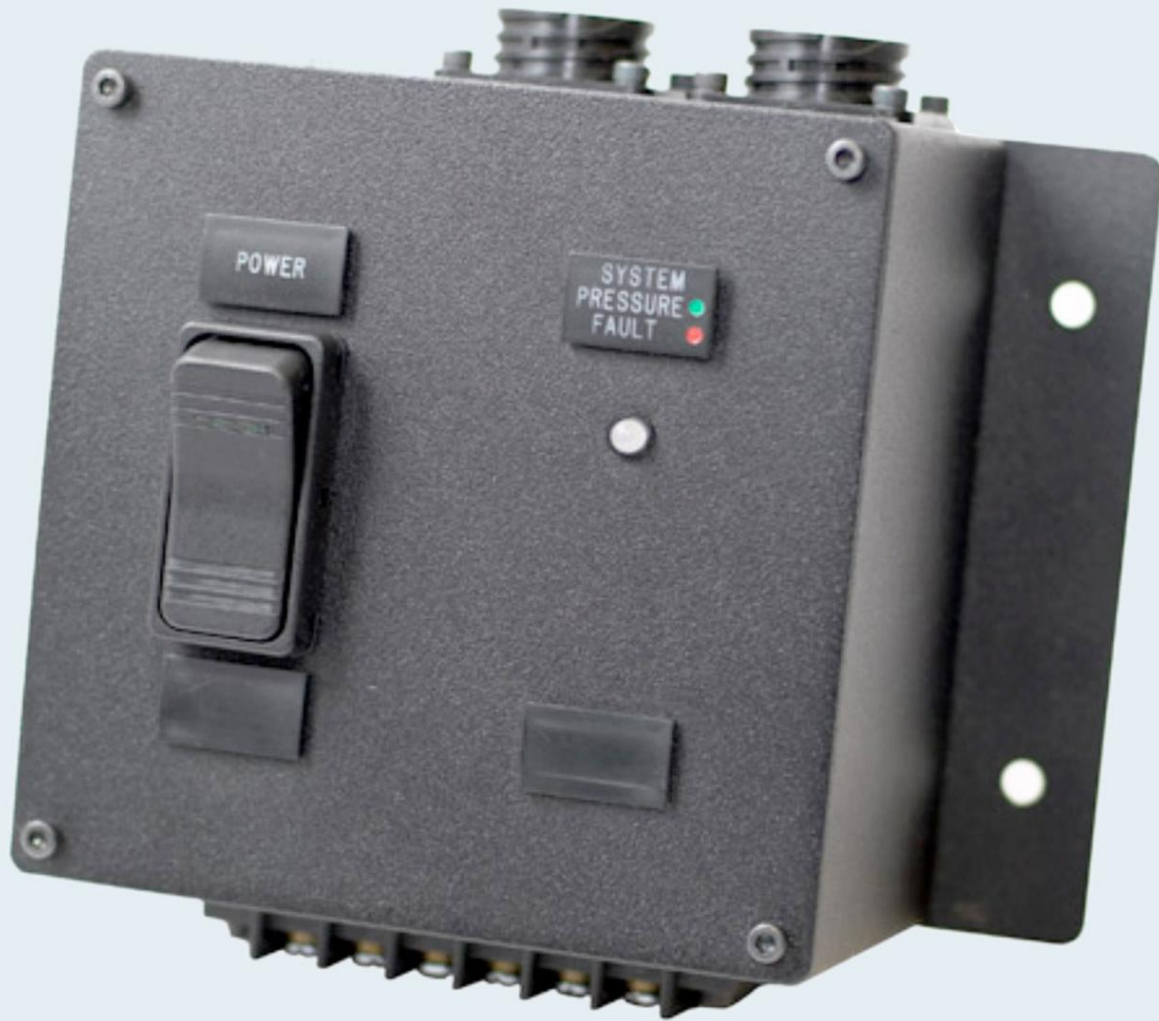


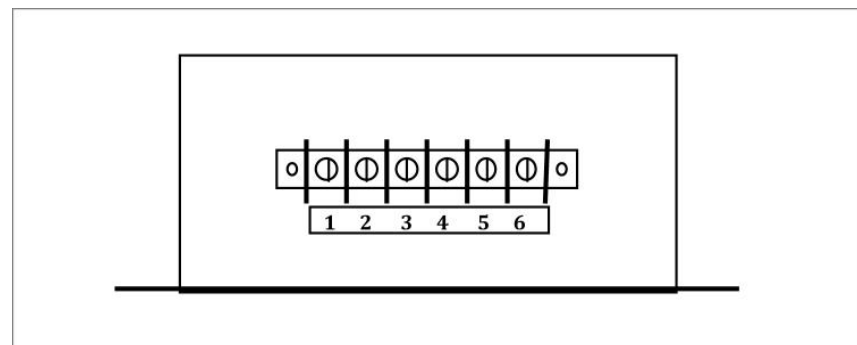
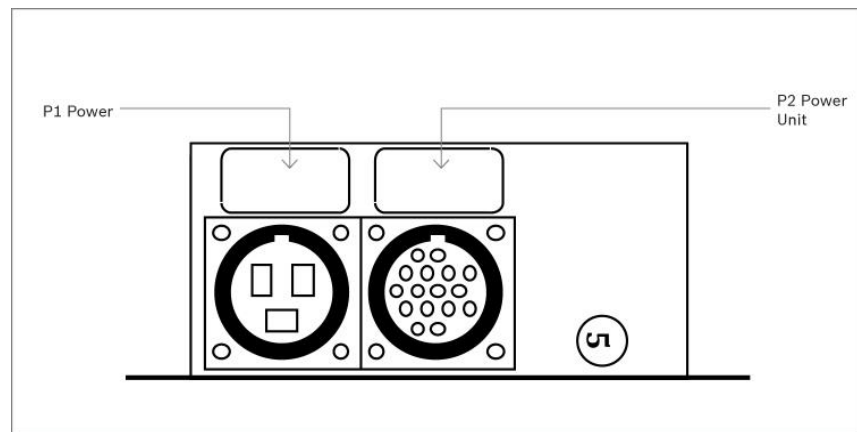
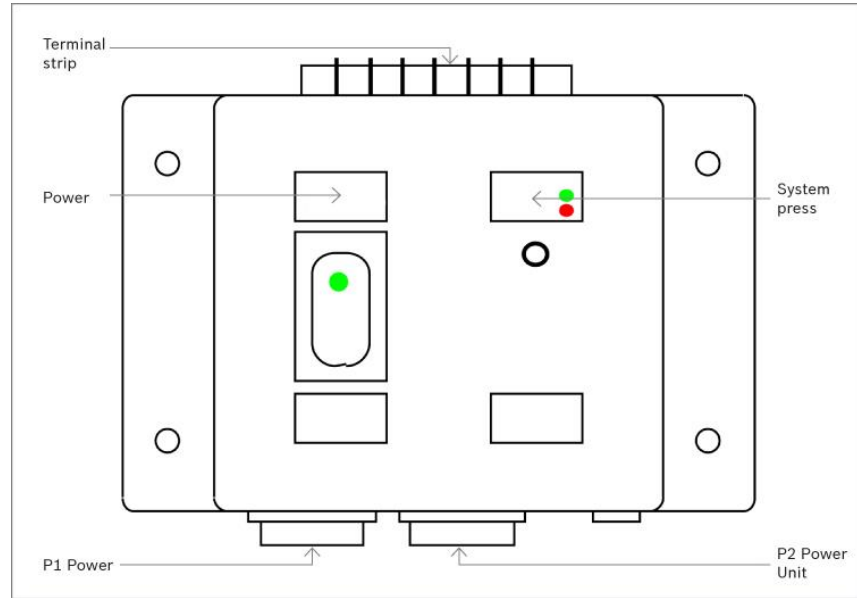
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1 System Layout



2 Installation Recommendations

1. Read the Power Float Hydraulics Manual before starting the installation.
2. Unpack all the supplied parts and check the packing list for completeness.
3. Untie and layout all the cables supplied to ensure proper lengths.
Note: Electromagnetic devices:
Devices such as relays, magnetic switches and solenoids, can generate large negative voltage spikes. These large spikes are conducted into the vehicle's electrical system and may adversely affect all electronic devices including engine computers. It is strongly recommended that these electromagnetic devices be electrically suppressed. See warnings and instructions in Body Builder manuals.
4. Connect the Controller 12V power supply and the ground wire using a dedicated circuit only (directly to the battery).
5. Connect 12V power and ground for all peripheral equipment such as GPS, Material Detection etc. to the same dedicated circuit only.
6. Ensure wiring for transmission devices such as radios, etc. are not attached to the controller or bundled with the controller wiring.
7. Disconnect the battery terminals before welding on a vehicle with electronic equipment.
8. Disconnect the negative battery terminal when wiring electronic devices
9. Mount the consoles so that they do not interfere with vehicle controls or obstruct visibility.
10. Route cables so that they will not be abused or damaged.
11. When routing cables through metal opening, always use grommets to prevent cable damage.
12. When running wires around a dump box pivot point, ensure no connectors can be separated when the hoist is activated.
13. Tie wrap cables clear of all moving parts like drive-axles or conveyor chains.
14. Observe the cable labeling for the proper termination of inputs and outputs.
15. Use dielectric grease on all external cable connections and pins to ensure proper corrosion protection.
16. Thoroughly clean all power and ground terminals before connecting power harness.
17. Stand clear of any hydraulic functions when first powering up the system
18. DO NOT drill holes in any of the enclosures.
19. DO NOT attempt to mount components onto the sides, top or front of the console.
20. DO NOT attempt to re-wire any of the consoles.

Failure to follow the recommendations will void your warranty.

3 Connection Instructions

P1 Power Pin-outs	Function
1	+12V
2	GND

1. Connect +12V lead to battery positive terminal.
2. Connect GND to battery ground.

P2 Power Pin-Outs	Function
1	+12V Switched
2	Ground
3	
4	Press SW N/C Input

3. Connect P2 to pre-wet power unit.

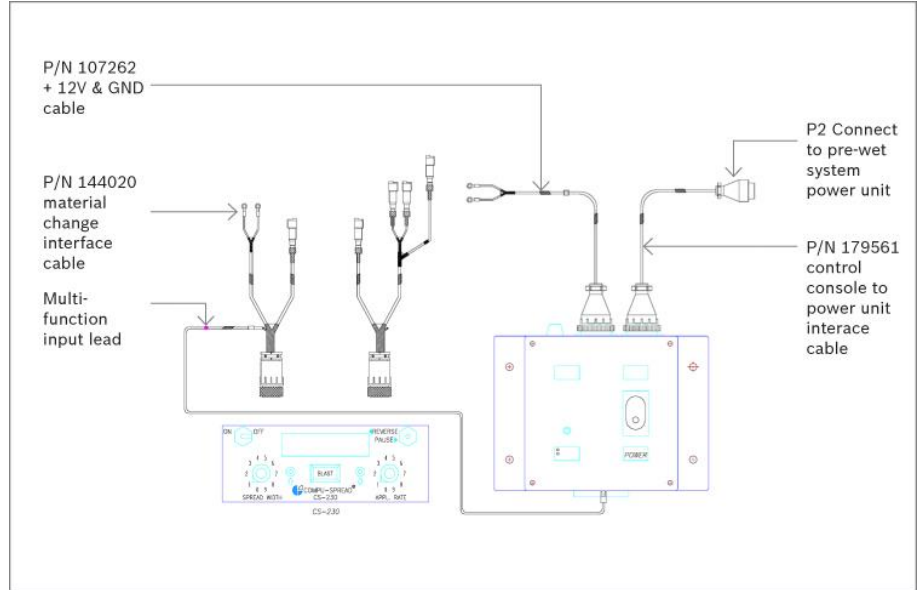
Terminal Strip	Material Sensing Output
1	Output To CS-230

4. Connect position 1 on the terminal strip to the blue bullet connector on the CS-230 harness.

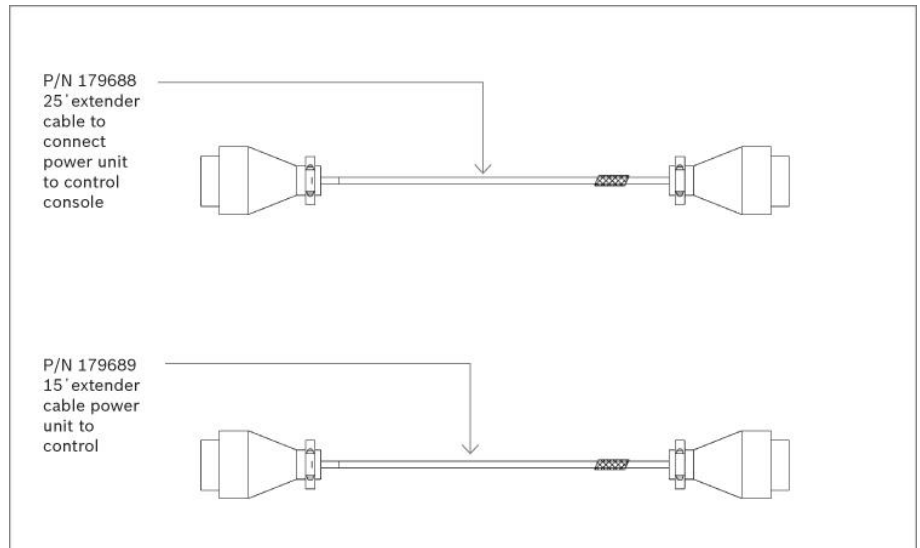
4 Operation Instructions

1. Power up the controller.
2. If the unit is connected to a CS-230.
3. When 12V is supplied from the pressure switch (on P2 - PIN 4), the 2 stage LED should show red; when the 12V is removed the LED should show green.

5 Connection Diagram



Extender cables:



Note: All cable connections should be clean and coated with dielectric grease.

Notes: