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TSIC.TM0397

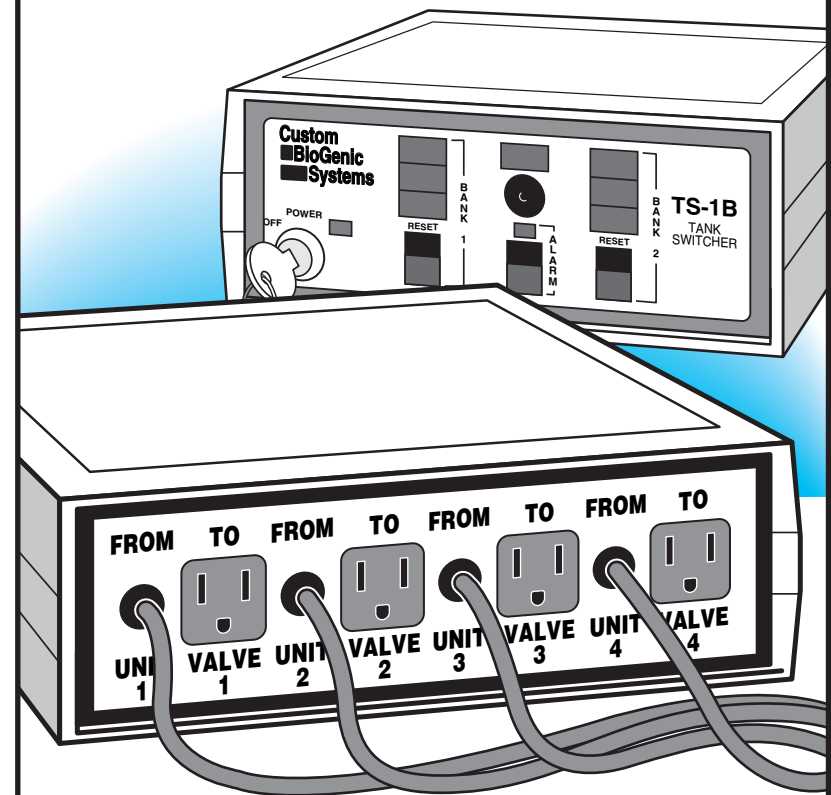
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TSIC-1B

FOR USE IN CONJUNCTION WITH TS-1B TANK SWITCHER

SET-UP AND TECHNICAL MANUAL



The TSIC-1B allows the TS-1B Tank Switcher to be used with multiple storage units.

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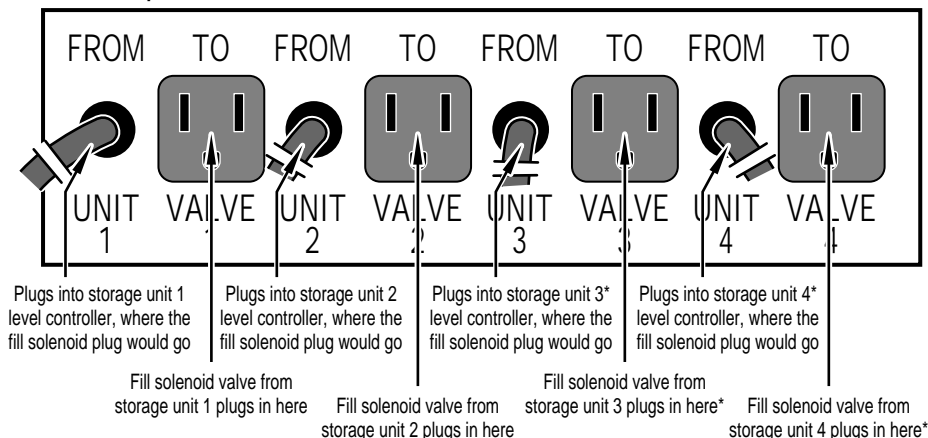
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- Before Use -

Caution: Do not plug in the AC power plug before completing initial set-up. Check to see that all parts are accounted for and are damage-free.

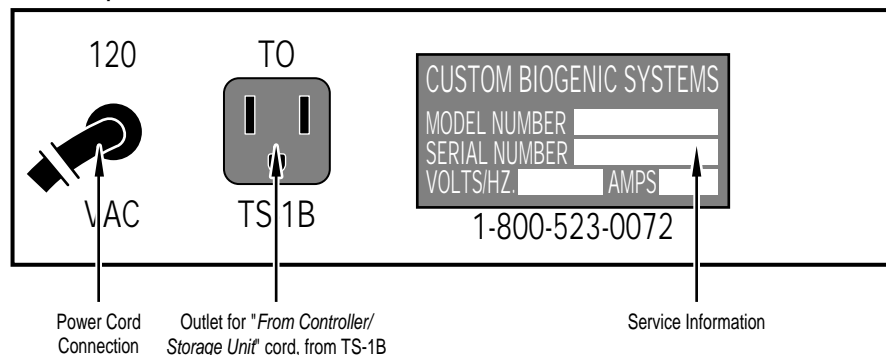
- Parts Identification -

Front panel



*TSIC-1B units are configured for use with 2 to 4 storage units, therefore your unit may differ from what's pictured above.

Back panel



- Operating Procedure -

The TSIC-1B is designed to work in conjunction with the TS-1B Tank Switcher, to provide liquid supply protection for up to four level controllers and/or storage units. When any level controller connected to the TSIC-1B calls for a fill and finds the supply tank empty, the TS-1B is activated and switches to a fresh supply tank to keep liquid nitrogen flowing where it is needed.

- Installation & Setup -

Note: Before beginning installation, be sure that power cords are unplugged from power sources and that LN² supply valves are closed.

- 1) Assemble the network of liquid nitrogen transfer lines as pictured below.
- 2) Unplug fill solenoid valve from back of level controller and plug into the "TO VALVE 1" outlet, on the TSIC-1B front panel.
- 3) Plug the corresponding TSIC-1B cord, "FROM UNIT 1", into the outlet from which the fill solenoid valve was just unplugged.
- 4) Repeat steps 1 & 2 for each level controller being connected into the system.
- 5) Now plug the "From Controller/Storage Unit" cord from the back of the TS-1B, to the "TO TS-1B" outlet on the TSIC-1B back panel.
- 6) Plug power cords from the TSIC-1B, the TS-1B and the level controller/storage units into an appropriate power source.
- 7) Turn the power ON to the TS-1B and the level controller/storage units.
- 8) Open the manual valves on the supply tanks. Check for leaks at the connection points, and proceed to normal operation.

