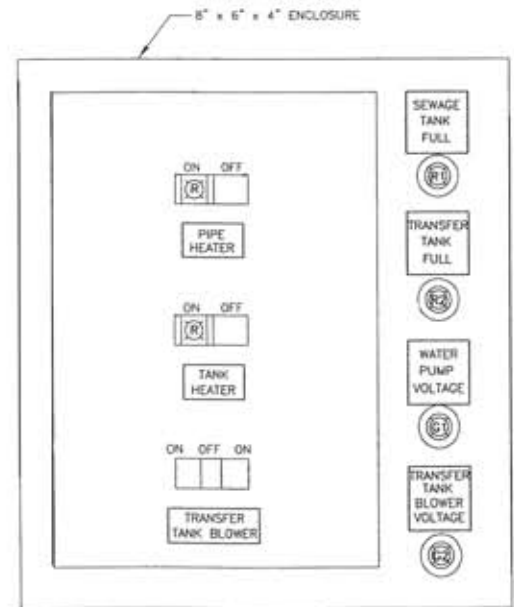


Cowater

Electrical Control Panel-Transfer Tank System



CONTROL PANEL DOOR LAYOUT

Description:

Multi-function electrical control panel designed and manufactured specifically for operating Cowater's Transfer Tank Flush Tank and Haul® System.

Function:

The control panel monitors the sewage level in the outside holding tank and the inside transfer tank located beneath the toilet by way of 'normally closed' float switches mounted in the two tanks.

In normal operation with neither tank full the two tank full light will be off and the "water pump voltage" as well as the "Transfer Tank blower Voltage" light will be on (green) indicating power to these motors. When the "Transfer Tank Full" comes on the "Water Pump Voltage" light goes out indicating that power to the water pump has been cut off. The homeowner or operator presses the "Transfer Tank Blower" switch to transfer the sewage by suction into the outside holding tank.

After numerous transfers the "Sewage Tank Full" light comes on and the "Transfer Tank Blower Voltage" light goes off.

When both sewage tanks are full the two full lights will be on and the power to the water pump and the transfer tank blower will have been cut. At this point the homeowner or operator must call for emptying the sewage tank. When this is done the power is stored automatically and the cycle starts over with both tanks empty.

The panel also contains two manually operated switches controlling power to the sewage pipe heat trace and the sewage tank heat trace. The switches light up when turned on and are labeled "Pipe Heater" and "Tank Heater".

Wiring Diagram:

The schematic wiring diagram and ladder diagram are detailed in Cowater's drawing GA-22.

