



Health Care Technical Service

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Short manual for Voltage Stabilizers (SVS)

The SVS **protects** your medical equipment of dangerous changes in the power supply like: **spikes** and **surges** (very short and very high voltage of thousands of volts), **over voltage** (longer lasting high level of voltage), brown out/ **under voltage** (longer lasting low level of voltage) and lightning. When changes like this occur the SVS first tries to **regulate** the voltage to a normal level and when this is not possible, **cuts off** the connection between the protected medical equipment and the dangerous power supply. When the power supply is in the normal level, the SVS reconnects the medical equipment and the power supply after a short delay.



General:

Do not expose the equipment to rain, moisture or liquids, clean only with a dry cloth

Do not try to dismantle the SVS, there are no user serviceable parts inside.

Read the original manual carefully

Make sure that your load does not exceed the rating of the SVS (75 Amps each line, 18.000 Watts each line)

Stabilization:

Input	145V- 292V
Output	207V- 253V
When voltage more than	292V -> CUT !!!
When voltage less than	145V -> CUT !!!
Delay when SVS witches on after power has come back	10sec

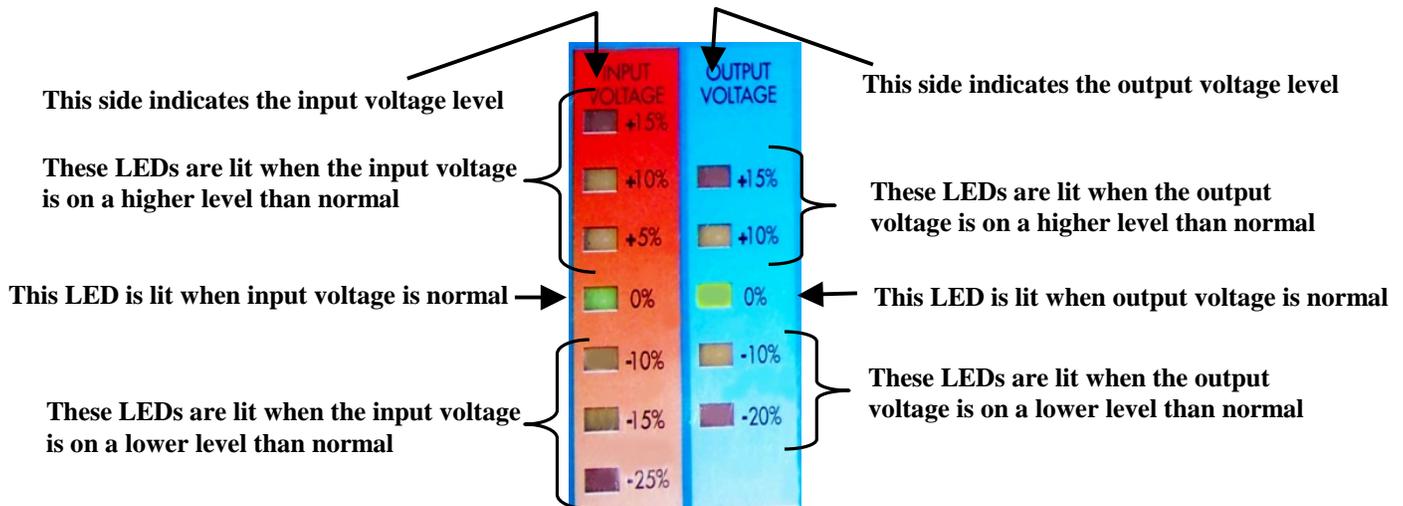
Connection:

Please let only HCTS do the connecting of the SVS

Operating instructions

1. turn your equipment off and unplug it
2. ensure that the switch on the SVS is off
3. plug the equipment to the SVS
4. turn the main current on
5. turn the SVS on
6. turn the equipment on
7. wait the delay period
8. the LED's show you the input and output voltage

LED: the LED's show you how the SVS is working



Problems

Symptom	Possible cause	Remedy
The SVS does not switch on, none of the LED's are lit	<ol style="list-style-type: none"> 1. The fuse has blown 2. No power available at the input 	Call HCTS Check the main power supply
The SVS appears to be working normally but the load is not being switched on	<ol style="list-style-type: none"> 1. Load is not plugged in 2. Load is not switched on 3. Load fuse has blown 4. Load is broken 5. Main voltage is too high or too low 	Plug in load Switch on load Change load fuse Repair load Wait until the main voltage is in the normal parameters again
The unit appears to be functioning but the output voltage is too low	The main input is too low	Wait until the main voltage is in the normal parameters again
The SVS continuously performs self- tests. If it finds a fault the LED's will continuously light from top to bottom repeatedly in one of two patterns	Possible internal fault or bad waveform of the current	- Ensure that the load is not too high - Turn off the equipment then turn off the SVS, restart the SVS as described in the operating instructions - If the above doesn't solve the problem please contact HCTS

Service

In case that this manual doesn't help or you have further questions please contact

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