

Automatic Electronic load controller

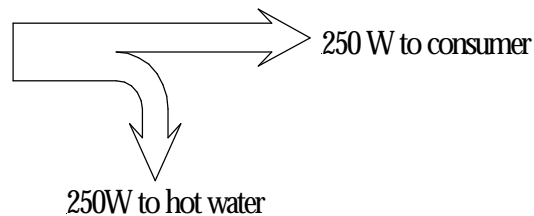
Get more from your Powerpal turbine with this great product...

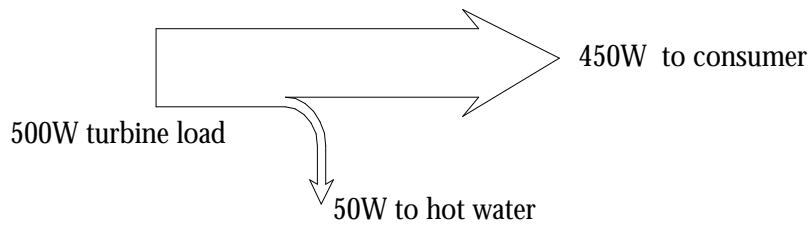


The Powerpal automatic electronic load controller (ELC) connects to the output of your Powerpal turbine. Four models ELCa-200, ELCa-500, ELCa1k and ELCa2k are for turbines up to 2kW at 230Volts ac, four ELCb models cover the 110 Volts ac range.

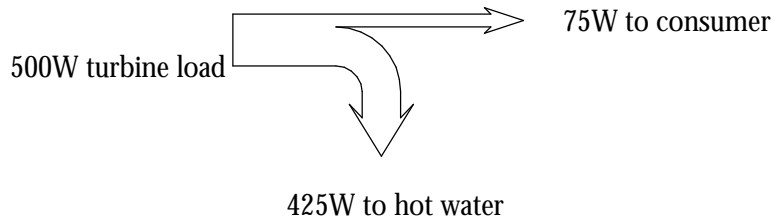
The ELC maintains a fixed output voltage by adjusting the power delivered to an auxillary heater load, the generator output is maintained at $220 \pm 5V$ (for 220 volt machines) and $110V \pm 5V$ (for 110V turbine sets)

In this way useful hot water or heating goes on in the background while you switch on and off electrical loads throughout the day or night, this saves using time switches or power rationing and enables power use with impunity (up to the machines' rating).





Similarly switch off an appliance and the balance is diverted to the hot water, you can see that the turbine is keeping a constant output and all the energy produced is doing useful work.



With the recommended flow of water the Powerpal turbine will be running at rated power under constant load, this greatly simplifies the whole system design and eliminates the need for further equipment.

Connecting to the ELC

