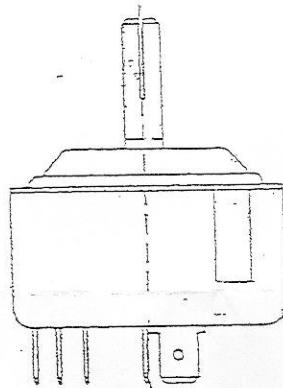
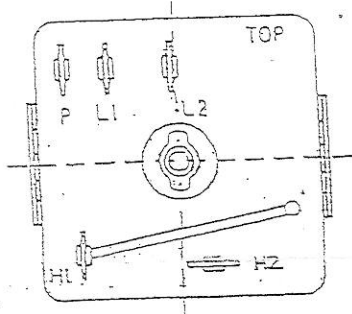


# "HOW AN INFINITE SWITCH OPERATES"

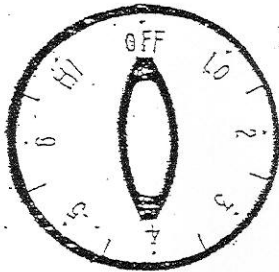
The Robertshaw infinite switch contains a bimetal strip with a small heater element wound around it. When heated the bimetal strip bends and pulls one of the switch contacts open thus cutting off the electrical current to the kiln elements. Since this small heater element is connected internally to the H<sub>1</sub> and H<sub>2</sub> terminals, the same as the kiln's element, it goes off with the kiln element.

When no current flows in the heater element the bimetal strip cools down, straightens out and allows the contact to close again thus allowing current to again in the kiln element and the internal heater element.

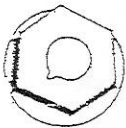
As you turn the switch knob from low to high a cam, via connecting linkage, increases the amount of bend which increases the electrical input. The bimetal strip must bend before opening the contact so, the element stays on for longer periods of time as you approach the high setting.



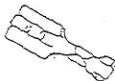
#0874 - 240v Infinite Switch  
#0188R06184 - 120v Infinite Switch



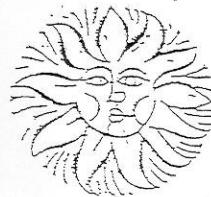
#0214J02673 - Infinite Switch Knob



Pal Nut



#0301E09314 - European Connector



SKUTT CERAMIC PRODUCTS