

INTRODUCTION

The Ameriton ICP-120/240 is designed to stop damaging inrush current to your amplifier. The ICP-120/240 will also absorb the momentary high voltage "spikes" found in the AC line. By controlling the inrush current and eliminating the AC "spikes", your linear amplifier or power supply will last longer.

OPERATION

The ICP-120/240 starts your linear amplifier through a high power current limiting resistor and then shorts the resistor with a relay. This start up sequence takes the abusive thermal shock off your cold tube filaments and eliminates the initial stress on your power supply. The ICP-120/240 absorbs the momentary high voltage "spikes" found in the AC line with built in varistors.

The ICP-120 limits the inrush current to 12 amperes and then maintains a continuous operating current of 20-amperes.

The ICP-240 limits the inrush current to 6 amperes and then maintain a continuous operating current of 10 amperes.

ON/OFF Switch

An ON/OFF switch is located on the ICP-120/240, **this switch must be used as the ON/OFF switch for the linear amplifier.** If the switch on the ICP-120/240 is not used as the main power switch for the amplifier, then the ICP-120/240 will not suppress the inrush current.

Although the ICP-120/240 has a ON/OFF switch, the unit should be unplugged before it is serviced. Likewise the device connected to the ICP-120/240 should be unplugged before servicing.

If the ON/OFF switch is in the ON position and the unit is not working, check the fuse. (See the following section.)

Fuse Replacement

The ICP-120/240 has an internal fuse. The fuse can be accessed by removing the cover of the unit. A total of six screws secure the cover. There are three screws on each side of the unit. After removing these six screws remove the cover and carefully remove the blown fuse.

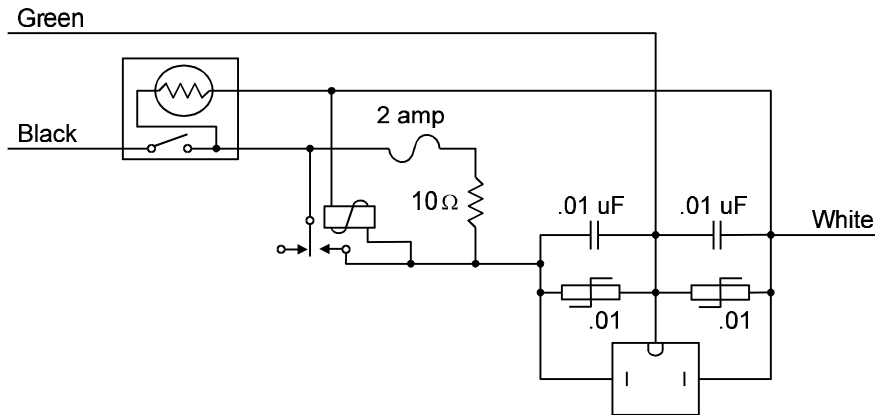
The ICP-120 requires a 2 ampere 120 volt fuse. The ICP-240 requires a 2 ampere 250 volt fuse. Do not use any fuse other than the one specified for your unit.

Replace and secure the cover with all six screws before plugging the ICP-120/240 into the wall outlet.

INSTALLATION

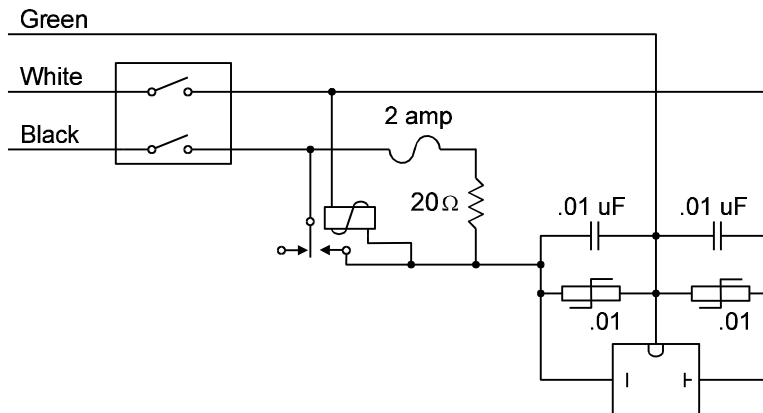
The ICP-120/240 is easily installed. Simply plug your linear amplifier into the receptacle on the ICP-120/240 and then plug the ICP-120/240 into the wall outlet.

ICP-120 SCHEMATIC AND PARTS LIST



Part Number	Description	Quantity
800-1120	IPC-120 Cabinet	1
620-5190	14/3 x 6' line cord	1
618-0120	120V AC outlet	1
507-1157	Rocker Switch w/light	1
755-3566	Fuse Clip	1
755-1102	2 Amp slow blow fuse	1
103-9703	10 ohm 10 watt resistor	1
322-0130	.01 130V M.O.V.	2
200-2122	.01 uF 250V AC disc capacitor	2
408-6145	SPST 120V AC relay	1

ICP-240 SCHEMATIC AND PARTS LIST



Part Number	Description	Quantity
800-1240	IPC-240 Cabinet	1
620-5627	16/3 x 6' line cord	1
618-0240	240V AC outlet	1
507-1257	Rocker Switch DPDT	1
755-3566	Fuse Clip	1
755-1102	2 Amp slow blow fuse	1
103-9704	20 ohm 10 watt resistor	1
322-0130	.01 130V M.O.V.	2
200-2122	.01 uF 250V AC disc capacitor	2
408-6240	DPDT 240V AC relay	1