



# CUTTER IMPULSE HAND SEALER

AIE-210C

## INSTRUCTION MANUAL



(AIE-200C, AIE-210C, AIE-300C ONLY)



## OVERVIEW

This impulse sealer serves the crucial purpose of securing a hermetic seal, providing effective waterproof and airtight packaging. Additionally, it will cut away excess material ¼” from the seal.

## KEY CHARACTERISTICS

- Compact Design
- Strong Watertight Seal
- Fast Operating
- Power Saving
- Precision Electronic Circuit
- Industrial durability

## OPERATING INSTRUCTIONS

1. Plug the cord into a properly grounded electrical outlet. The machine will operate only when the sealing arm is completely depressed.
2. Adjust the sealing timer knob to a suitable time based on your sealing bag thickness and material on a scale of 1-8 (it is recommended to use the smallest timer number possible while still sealing the bag).
3. Insert the bag between the jaws and press the handle down. Maintain pressure while the light is active. Continue to maintain pressure after the light is off for approximately the same time as the heat cycle for the congealing phase. A longer congealing phase will provide a more secure and consistent seal.
  - a. If the bag sticks to the silicon rubber, the bag needs a longer congealing phase.
  - b. The timer knob does not need to be adjusted once it is calibrated.
4. Check the seal. If the seal isn't tight, raise the timer knob to a higher setting and repeat step 3.
5. Blade Cutter Option: Slide the red tab on the top of the sealer arm to cut away the excess material.
6. Power is not consumed when the machine is plugged in until it is in use.

## NOTES

- Always keep the sealing platform clean. Cleaning excess residue will improve the longevity of the heating element, PTFE cloth strips, and silicon rubber.
- Do not use moisture or harsh cleaning solutions to clean the sealing surface.
- Replace the torn PTFE cloth immediately. A torn cloth may cause a short circuit and will damage the element wire. Every time you replace the heating element, replace the lower and upper PTFE cloth.
- Only use genuine replacement parts.
- A worn silicon rubber will negatively influence the seal; change the silicon when worn, burnt, or if grooves or indents are present.

- Always unplug the cord from the electrical outlet when servicing your machine.

## CHANGING PARTS

*To replace the cutting blade:* Slide the cutter toward the slot near the handle.

1. Lift the slider up and out.
2. Loosen only the screw and remove the blade with pliers.
3. Replace with a new blade, re-tighten the screw, and reinsert the holder in the slot near the handle.

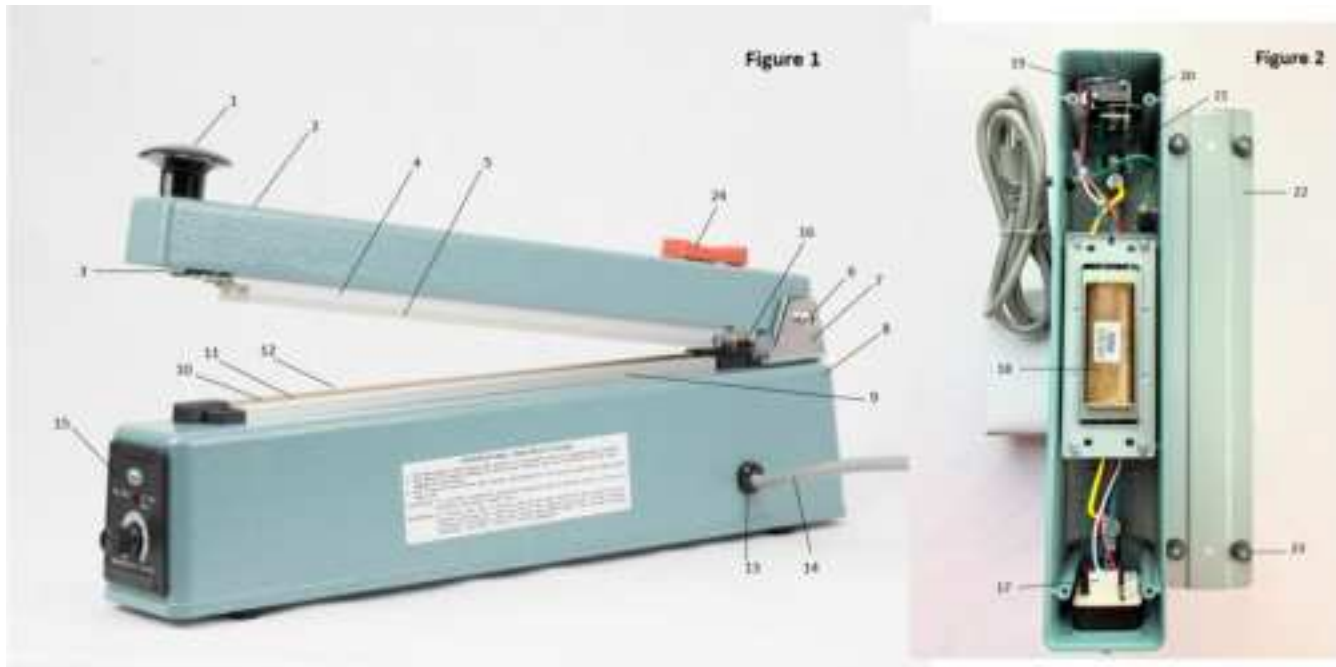
*To replace the heat element wire:*

1. Loosen the screws that will loosen the metal plate (#9).
2. Lift up or take off the upper PTFE (#11). Replace it if burned through.
3. Remove the damaged heating element wire (#12).

Note: Check if the lower PTFE (#10) is burnt or damaged. Replace it if necessary. Make sure it covers the element bottom entirely. This PTFE is very important for protecting your machine by insulating the wire and separating the element wire from the metal of the machine.

4. Attach a new element wire, reattach the upper PTFE, and reattach the metal plate.

## PARTS DIAGRAM



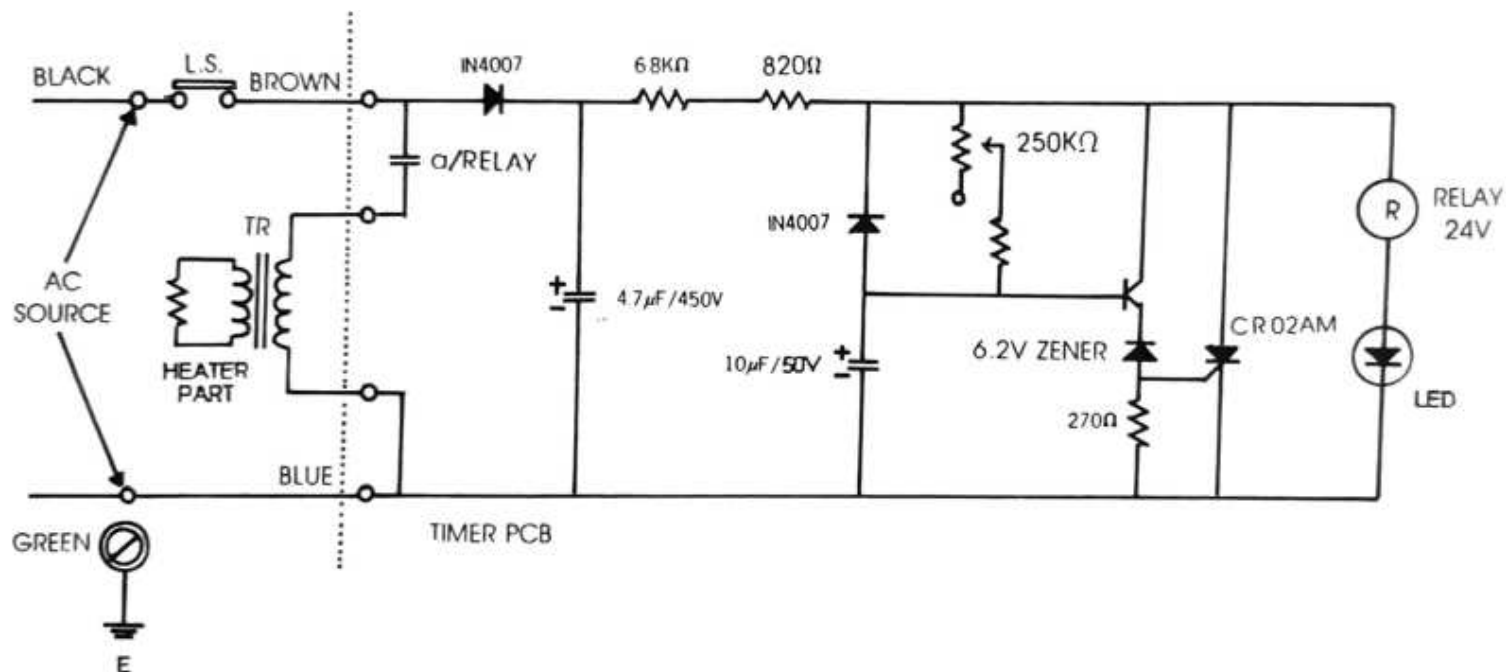
## PARTS LIST

No.	Description	AIE-200C	AIE-205C	AIE-210C	AIE-300C	AIE-305C	AIE-400C	AIE-405C	AIE-500C	AIE-505C
1	HANDLE KNOB	BAKELITE	BAKELITE	BAKELITE	BAKELITE	BAKELITE	BAKELITE	BAKELITE	BAKELITE	BAKELITE
2	PLATEN ARM	ARM200C	ARM200C	ARM200C	ARM300C	ARM300C	ARM400C	ARM400C	ARM500C	ARM500C
3	PLATEN SPRING	PLATESPC	PLATESPC	PLATESPC	PLATESPC	PLATESPC	PLATESPC	PLATESPC	PLATESPC	PLATESPC
4	PLATEN	PLATEN2C	PLATEN2C	PLATEN2C	PLATEN3C	PLATEN3C	PLATEN4C	PLATEN4C	PLATEN5C	PLATEN5C
5	SILICON RUBBER	SR200C	SR200C	SR210C	SR300C	SR300C	SR400C	SR400C	SR500C	SR500C
6	HINGE	POLE2C	POLE2C	POLE2C	POLE3C	POLE3C	POLE4C	POLE4C	POLE5C	POLE5C
7	HINGE BRACKET	HINGE2C	HINGE2C	HINGE2C	HINGE2C	HINGE2C	HINGE2C	HINGE2C	HINGE2C	HINGE2C
8	ENCLOSURE	BD200C	BD200C	BD200C	BD300C	BD300C	BD400C	BD400C	BD500C	BD500C
9	METAL PLATE	MPLATE2C	MPLATE2C	MPLATE2C	MPLATE3C	MPLATE3C	MPLATE4C	MPLATE4C	MPLATE5C	MPLATE5C
10	LOWER ELEMENT PTFE	TFL200C	TFL200C	TFL210C	TFL300C	TFL300C	TFL400C	TFL400C	TFL500C	TFL500C
11	UPPER PTFE CLOTH	TF200C	TF200C	TF210C	TF300C	TF300C	TF400C	TF400C	TF500C	TF500C
12	HEATING ELEMENT	EF200C	EF205C	EF210C	EF300C	EF305C	EF400C	EF405C	EF500C	EF505H
13	STRAIN RELIEF BUSHING	CORLDHOLD	CORLDHOLD	CORLDHOLD	CORLDHOLD	CORLDHOLD	CORLDHOLD	CORLDHOLD	CORLDHOLD	CORLDHOLD
14	POWER SUPPLY CORD	CORD-H	CORD-H	CORD-H	CORD-H	CORD-H	CORD-H	CORD-H	CORD-H	CORD-H
15	TIMER SET	TI-H3	TI-H3	TI210C	TI-H3	TI-H3	TI-H3	TI-H3	TI-H3	TI-H3
16	SWITCH LEVEL	LEVER2C	LEVER2C	LEVER2C	LEVER3C	LEVER3C	LEVER4C	LEVER4C	LEVER5C	LEVER5C
17	WIRE CONNECTOR	BUSH-H	BUSH-H	BUSH-H	BUSH-H	BUSH-H	BUSH-H	BUSH-H	BUSH-H	BUSH-H
18	HEAT TRANSFORMER	TR200C	TR205C	TR210C	TR300C	TR305C	TR400C	TR405C	TR500C	TR505C
19	MICROSWITCH SET	MICRO-SET	MICRO-SET	MICRO-SET	MICRO-SET	MICRO-SET	MICRO-SET	MICRO-SET	MICRO-SET	MICRO-SET
20	SWITCH LEVER SPRING	MOVESP2C	MOVESP2C	MOVESP2C	MOVESP3C	MOVESP3C	MOVESP4C	MOVESP4C	MOVESP5C	MOVESP5C
21	HEATER TERMINAL SET	BOW-SET	BOWSETH5	BOWSETH5	BOW-SET	BOWSETH5	BOW-SET	BOWSETH5	BOW-SET	BOWSETH5
22	COVER PLATE	COVER2C	COVER2C	COVER2C	COVER3C	COVER3C	COVER4C	COVER4C	COVER5C	COVER5C
23	RUBBER FOOT & SCREW	FOOT-H3	FOOT-H3	FOOT-H3	FOOT-H3	FOOT-H3	FOOT-H3	FOOT-H3	FOOT-H3	FOOT-H3
24	CUTTING HANDLE & BLADE	BHOLDER	BHOLDER	BHOLDER	BHOLDER	BHOLDER	BHOLDER	BHOLDER	BHOLDER	BHOLDER

## REPLACEMENT KITS

Model	AIE-200C	AIE-205C	AIE-210C	AIE-300C	AIE-305C	AIE-400C	AIE-405C	AIE-500C	AIE-505C
Replacement Kit	K200C	K205C	K210C	K300C	K305C	K400C	K405C	K500C	K505C
Replacement Kit w/ blade	K200CB	K205CB	K210CB	K300CB	K305CB	K400CB	K405CB	K500CB	K505CB

## ELECTRICAL CONNECTION DIAGRAM



## SPARE PARTS

ACCESSORIES	QUANTITY
HEATING ELEMENT	2
UPPER CLOTH	2

## SPECIFICATIONS

Model	Voltage	Watts	Max Seal Length	Max Seal Thickness	Seal Width	Weight
AIE-200C	110 V	260 W	8"	4 mil	2 mm	10 lbs.
AIE-205C	110 V	450 W	8"	6 mil	5 mm	11 lbs.
AIE-210C	110 V	600 W	8"	7 mil	10 mm	13 lbs.
AIE-300C	110 V	380 W	12"	5 mil	2 mm	12 lbs.
AIE-305C	110 V	600W	12"	6 mil	5 mm	14 lbs.
AIE-400C	110 V	750 W	16"	6 mil	2 mm	15 lbs.
AIE-405C	110 V	1000 W	16"	8 mil	5 mm	15 lbs.
AIE-500C	110 V	900 W	20"	6 mil	2 mm	18 lbs.
AIE-505C	110 V	1200 W	20"	8 mil	5 mm	19 lbs.

Special Order Option: These sealer models are also available in 220 Volts upon request.