

INSTRUCTION MANUAL

**P 850 MS - P 1050 MS
P 1250 MS**



S.E.F.A®

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I. CONDITIONS OF GUARANTEE

- The guarantee period starts the day of putting the equipment into service at the user's place, for a duration of one year that is to say 2000 hours.
- The guarantee is strictly limited to our equipments, against the defects of matter and execution, with the buyer's responsibility to prove the known defects.
- Our responsibility is limited to the obligation to rectify or replace free of charge the parts acknowledged as faulty by ourselves, and there will no claim for any indemnity whatever the reason given.

Parts replaced under the guarantee:

- Remain our property
- Are the subject of an invoicing of deposit

A credit of cancellation is activated as soon as the faulty parts are returned. The return will have to occur ONE MONTH MAXIMUM after the intervention.

THE GUARANTEE DOES NOT COVER:

- The retail consumables such as:
fuses, bulbs, transformers, joint, flexible devices...
- The supplies, which are not our own manufacturing, undergo the guarantee of their manufacturer.

THE GUARANTEE DOES NOT APPLY :

- To replacements, nor repairs which would result from normal wear and tear of apparatus and machines, of deteriorations and accidents coming from negligence, defect of monitoring and maintenance, defective use or modifications without our written agreement.
- In case of vice coming from the material supplied by the buyer, or a design imposed by the latter.
- To repairs which would result from deteriorations or accidents occurred during transport.
- To operations of maintenance and adjustments inherent in the use of the machine, and indicated in the maintenance manual, such as:
adjustments of intermediaries, screwing of piping, etc... do not enter the clauses of guarantee.



For the pneumatic machines, any trace of detergent oil in the pneumatic circuit inhibits the conditions of guarantee previously mentioned.

**For any technical information or spare parts orders,
please give the reference number of the machine as well as its serial number**

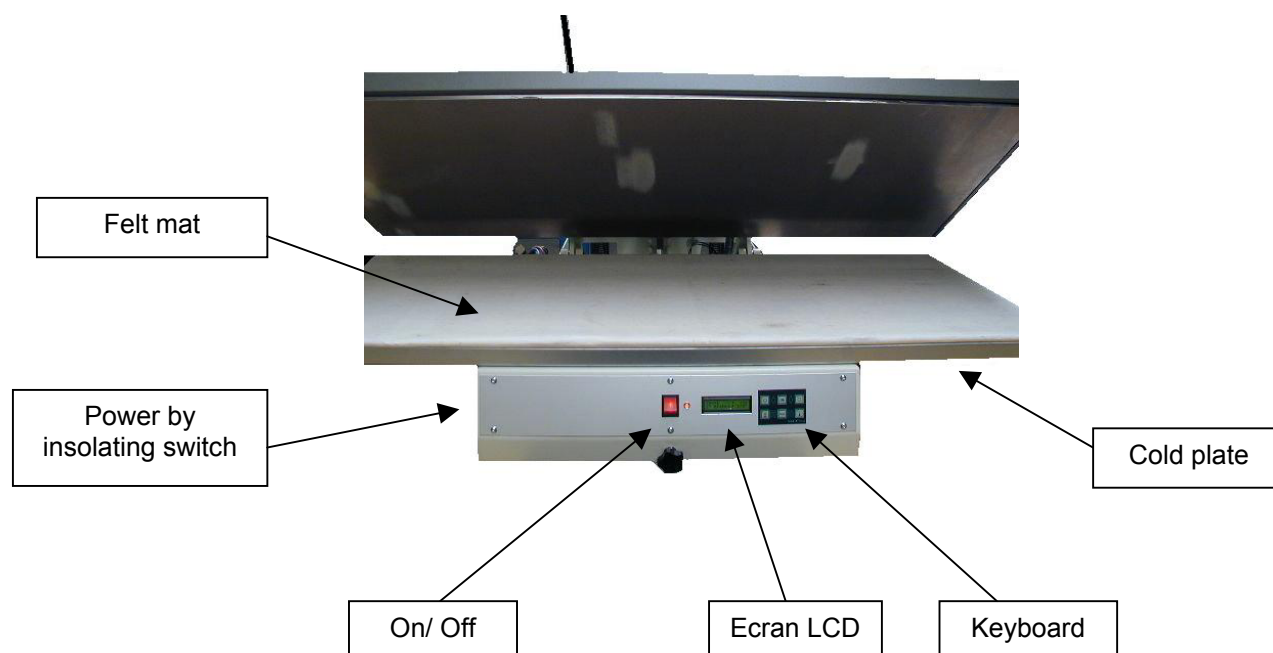
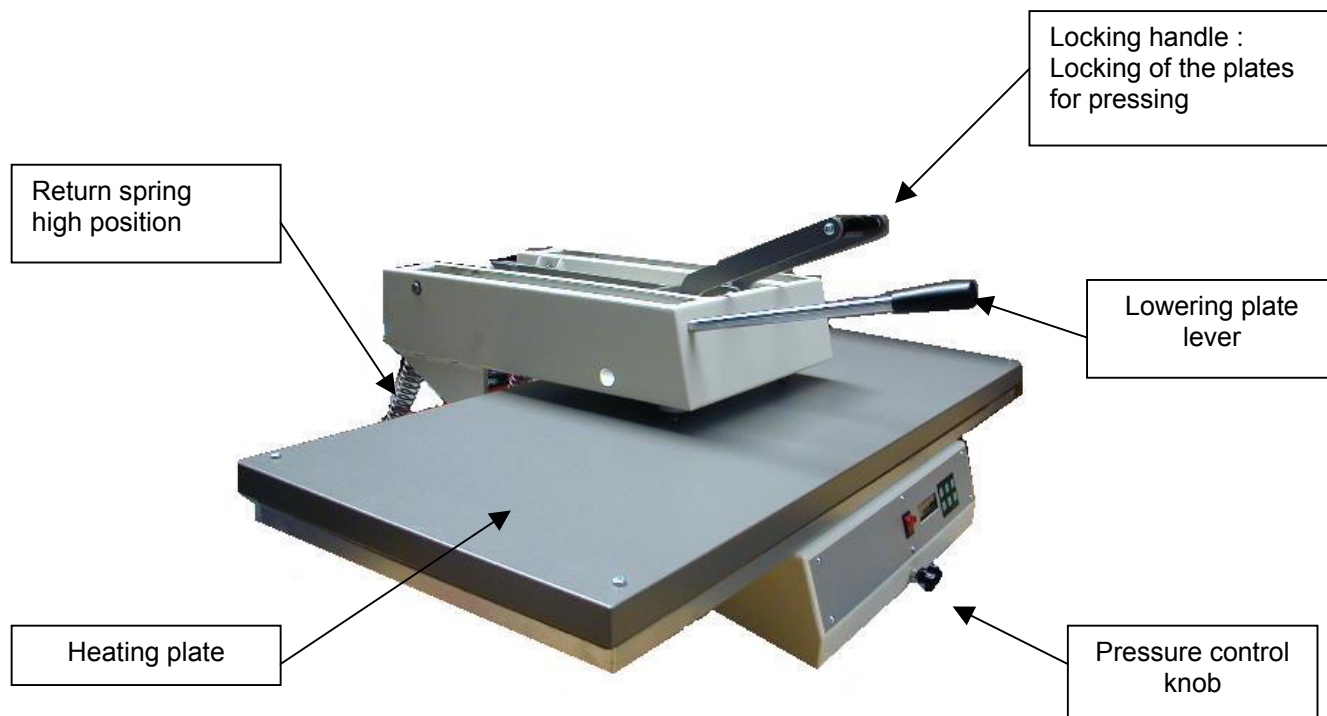
II. SPECIFICATIONS

	<u>P 850 MS</u>	<u>P 1050 MS</u>	<u>P 1250 MS</u>
Poids en ordre de marche / Weight in running order	130 kg	135 kg	150 kg
Hauteur / Height	400 mm	400 mm	400 mm
Profondeur / Depth	1100 mm	1100 mm	1100 mm
Largeur / Width	830 mm	1030 mm	1230 mm
Dimension du plateau / Dimension of the heating plate	800 x 500 mm	1000 x 500 mm	1200 x 500 mm
Alimentation électrique / Electric power supply	380 V + neutral + earth 50/60 Hz		
Puissance / Power	3 750 W	5 500 W	6 000 W
Ampérage / Ampérage	6 A	10 A	10 A
Régulateur électronique de température à affichage digital / Thermoregulator			
Précis à / Accurate to	+/- 1%	+/- 1%	+/- 1%
Réglable de / Range of control	0 to 255 °C	0 to 255 °C	0 to 255 °C
Minuterie électronique / Timer			
Précis à / Accurate to	+/- 2%	+/- 2%	+/- 2%
Réglable de / Range of control	0 to 255 sec	0 to 255 sec	0 to 255 sec

Non contractual document: according to the technical progress, we reserve the right to modify the characteristics of our products.

S.E.F.A[®]	
Z.I PASTABRAC 11260 ESPERAZA FRANCE	TEL: 33(0)4.68.74.05.89 FAX: 33(0)4.68.74.24.08
MODELE	<input style="width: 150px;" type="text"/>
N° DE SERIE	<input style="width: 150px;" type="text"/>
PUISSANCE	<input style="width: 150px;" type="text"/>
VOLTS	<input style="width: 150px;" type="text"/>
Année de Fab.	<input style="width: 100px;" type="text"/>
Made in France By S.E.F.A.	

III. GENERALITIES



This heat seal press is conform to article L 233-5 of labour laws to ensure the user's security. Its design allows it to ensure an intensive production while keeping a total reliability.

This press was conceived for an operator working opposite the machine.

IV. USE OF THE MACHINE

The P 850 MS – P 1050 MS and P 1250 MS were designed for the application of transfers of all qualities in medium mass productions.

This equipment was tested in our workshops to obtain a one-year guarantee against any manufacturing vice.

The adjustments (electric and mechanic) carried out by our technicians as well as the securities introduced on the machine should not be modified in any case. Otherwise, the SEFA company will deny all responsibility on potential problems linked to the so-called machine.

Before starting any operation of pressing, it is recommended to read carefully the safety instructions as well as the directions for use.

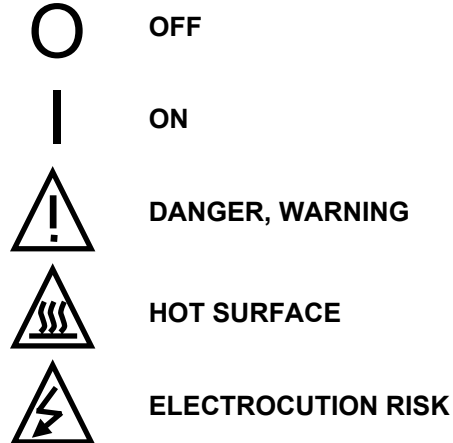
The press will have to be used by an enabled person who would have been informed of the risks which can be caused by wrong use of the equipment.

1. SAFETY

THIS EQUIPMENT IS DESIGNED FOR SINGLE USE ONLY

USE BY QUALIFIED STAFF ONLY

International symbols:



You will find most of these symbols on the SEFA machines.

Some important points for the safety of the staff:



Avoid touching the hot parts of the equipment while in use.



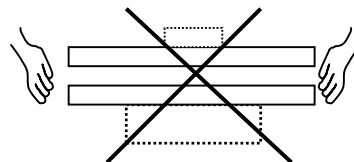
During handling action, ensure that the operator do not risk anything in terms of burn, electrocution or other.

2. INSTALLATION

USE BY QUALIFIED STAFF ONLY



Do not handle the machine by the plates!



Unpack the machine from the box.
Place it on a stable table handling it by its frame.

After having properly positioned the equipment on its working place, electrically plug the press in (380 V + Neutral + Earth / 50 or 60 Hertz)

3. DESCRIPTION OF THE RUNNING CYCLE

1. The operator will have to power the machine up switching the main switch which is in the middle of the front (the screen will go on and will show the values preset in the workshop),
2. Set the plate temperature (*to define according to the type of transfer*), See SETTING § 1,
3. Set the application time (*to define according to the type of transfer*), See SETTING § 1,
4. Adjust the pressure (*to define according to the type of transfer*),
5. Position the article to mark on the felt of the lower plate,
6. Adjust the transfer sheet,
7. Lower the heating plate with the lever,
8. Block it pushing downwards the locking handle situated on the machine,
9. When the plate is in contact with the tee-shirt, the position micro switch will then be activated and the timer will go off.
10. At the end of the count down, a buzzer will ring and then the operator will have to rock the locking handle so that the plate comes back into high position.

V. SERVICE

USE BY QUALIFIED STAFF ONLY
**ANY SERVICE INTERVENTION MUST BE DONE WHEN THE MACHINE IS OFF AND
LOCKED
(ELECTRIC ENERGY UNPLUGGED)**

It is recommended to have the following tools within reach:

- Screwdriver
- Cruciform screwdriver
- A set of spanners
- Small adjustable pliers
- Long and fine pliers with insulating handle
- A set of Allen keys



Before any handling, check that the heating plate temperature is lower than 25°C on the display unit.

1. PARTS SUBJECTED TO WEAR AND TEAR

On any order: *precise the reference, the description and the quantity*

<u>Reference</u>	<u>Description</u>	<u>Quantity</u>
<u>ELECTRIC EQUIPMENT</u>		
CLA-371	6-KEY KEYBOARD	1
RES-181	HEAT ELEMENT 100x100 250W	15, 22, 24
FIN-231	MICRO SWITCH WITH TONGUE	1
FUS-153	FUSE 16A 5x20 LENT	3
CAR-357	CARD 1 REGULATION (BASIC)	1
CON-097	CONTACTOR 25A 1F 220V	1
SEC-428	ISOLATING SWITCH 10x38 LS1D2531A65	1
SEC-429	NEUTRAL ISOLATING SWITCH LA8D254	1
ECR-361	FRONT SCREEN VERS.50°C	1
<u>PRESS COVER</u>		
FEU-006	NOMEX FELT 9mm	0.5
TOI-002	PTFE CANVAS 13/100ème	0.11

2. REPLACEMENT OF USED PARTS

- **Felt mat**
 - a) Check that the plate is cold.
 - b) Make sure that the plate surface is quite clean. Possibly use a soft solvent such as white spirit.
 - c) Use a RTV-1 glue tube to stick the felt on the lower cold plate (NB: read the instructions on the tube packaging).
 - d) The mat and the plate must be clean and dry before starting any gluing.
 - e) Spread six small balls of glue in a symmetrical way on the plate and immediately apply the mat.
 - f) Leave overnight with low pressure at room temperature.

3. MAINTENANCE

The SEFA heat seal presses require hardly any maintenance. To ensure a good running, follow the preventive instructions indicated below:

- Do not heat objects which could damage even cut the felt mat or damage the heating plate surface,
- Periodically and when the plate is cold, clean the machine with a clean cloth and white spirit (NB: as this product is flammable, use with care and keep it away from any heat sources)
- When the higher plate is cold and not used, keep it in open position.

EVERY DAY: clean the P.T.F.E. canvas with a dry cloth or impregnated of spot remover.

EVERY MONTH: Check the joint axles and lubricate them.

ACCORDING TO THE USE: Change the P.T.F.E. canvas every 6 month.
Change the felt every year.

USE BY QUALIFIED STAFF ONLY

Different codes delivered by the regulation card call for a service:

- | | |
|-------------------------|---|
| <u>Code R1 :</u> | Appears on the screen when the machine has been heating for 9 300 h that is to say about 5 years <ul style="list-style-type: none">◆ do a general servicing. See your retailer. |
| <u>Code R2 :</u> | Appears on the screen when the machine has reached 60 000 knocks <ul style="list-style-type: none">◆ check the moving parts + code R4. |
| <u>Code R3 :</u> | Appears on the screen when the machine has reached 240 000 knocks <ul style="list-style-type: none">◆ change the pads (Teflon) and control the state of the micro switches and heat elements electric wires. |
| <u>Code R4 :</u> | Appears on the screen when the machine has reached 30 000 knocks <ul style="list-style-type: none">◆ visually control the state of the electric components as well as the state of the materials. |
| <u>Code R5 :</u> | Appears on the screen when the machine has reached 600 000 knocks <ul style="list-style-type: none">◆ do a general servicing + code R4. See your retailer. |

⇒ **TO DELETE THE MESSAGE REGARDING THE REVISION:
REFER TO THE CARD X INSTRUCTION MANUAL**

4. POSSIBLE ELECTRIC BREAKDOWNS

USE BY QUALIFIED STAFF ONLY

SYMPTOMS	POSSIBLE BREAKDOWNS	REPAIRS
The plate will not heat	<ul style="list-style-type: none"> ➤ The fuses are out of order ➤ See messages displayed on the LCD screen ➤ The contactor is faulty 	<ul style="list-style-type: none"> ➤ If no light on the press goes on, check the fuses, change it if necessary. <u>MAIN FUSES</u> Situating in the casing of the power isolating switch (16 A). To access it, pull the pins towards you. There is a fuse on each phase, neutral included. <u>CARD FUSE</u> situated on the electronic card (0,8A) ➤ Contact your retailer ➤ Check it and replace it if necessary
The plate overheats	<ul style="list-style-type: none"> ➤ See messages displayed on the LCD screen 	<ul style="list-style-type: none"> ➤ Contact your retailer
The timer will not count down	<ul style="list-style-type: none"> ➤ The micro switch is stuck or is faulty ➤ Card problem 	<ul style="list-style-type: none"> ➤ Check that when the plate is in low position, it clears the micro switch. ➤ Check it and contact your retailer
The buzzer will not ring	<ul style="list-style-type: none"> ➤ Card problem 	<ul style="list-style-type: none"> ➤ Check it and contact your retailer

VI. PRESS ADJUSTMENTS

USE BY QUALIFIED STAFF ONLY

1. TEMPERATURE ADJUSTMENT / PRESSING TIME

These parameters must be programmed in the control electronic card with the keyboard.

a) TEMPERATURE SETTING

Press on the temperature icon. With + or – display the temperature value required. Validate pressing on OK.

b) TIME SETTING

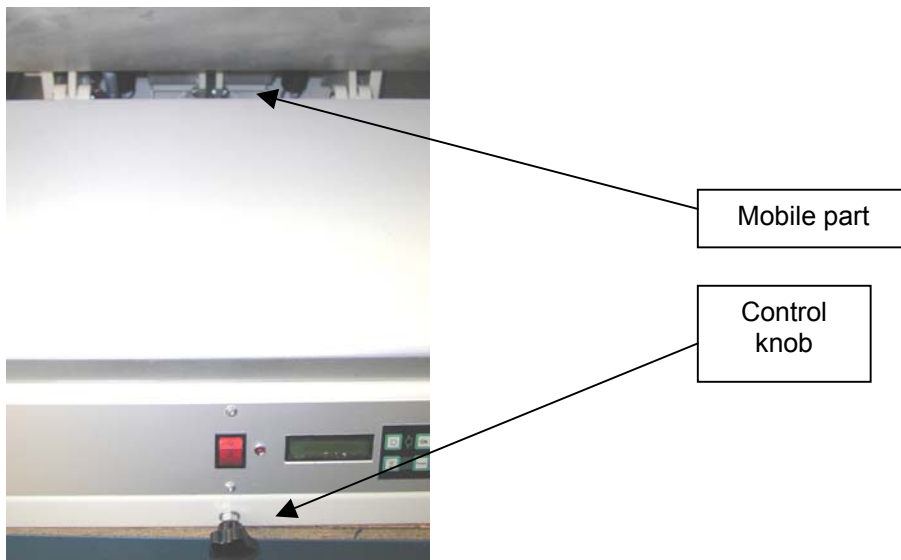
Press on the time icon. With + or – display the time value required. Validate pressing on OK.

2. PRESSURE ADJUSTMENT

The pressure exerted can be modified according to the user's need playing on the higher plate height.

Use the knob situated on the front of the machine, a part in the back frame will move:

- ↻ screwing it you will increase the pressure,
- ↻ unscrewing it you will decrease it.



VII. COMPLEMENTARY ADJUSTMENTS

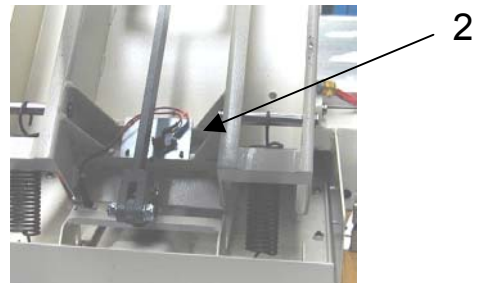
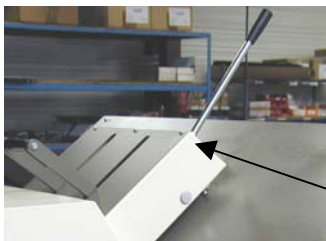
USE BY QUALIFIED STAFF ONLY



CAUTION : operations to be done on cold plate

1. MICRO SWITCH ADJUSTMENTS

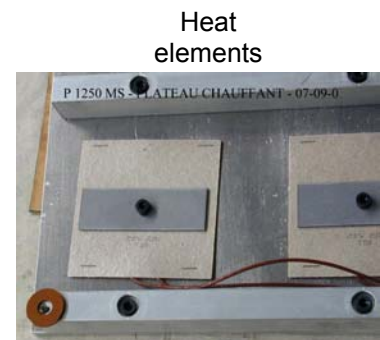
- Remove the 5 cruciform screws of the plaque underneath the locking handle (1)
- Dismantle the handle to have an easier access to the micro switch (2)
- Adjust the sensor



2. DISMANTLING THE HEATING PLATE

- Lower the heating plate,
- Dismantle the plaque underneath the handle and loosen the 4 nuts M14 on the front (3),
- Loosen completely the 2 screws allowing the adjustment of the parallelism of the plate when pressing (4)
- Lift the lever back up making sure that the plate is no longer held
- Unscrew the 4 cruciforms of the cover (5)
- Remove the protection and carry out with the replacement of the faulty heat

element.



VIII. IMPLANTATION OF THE EQUIPMENT

View from below

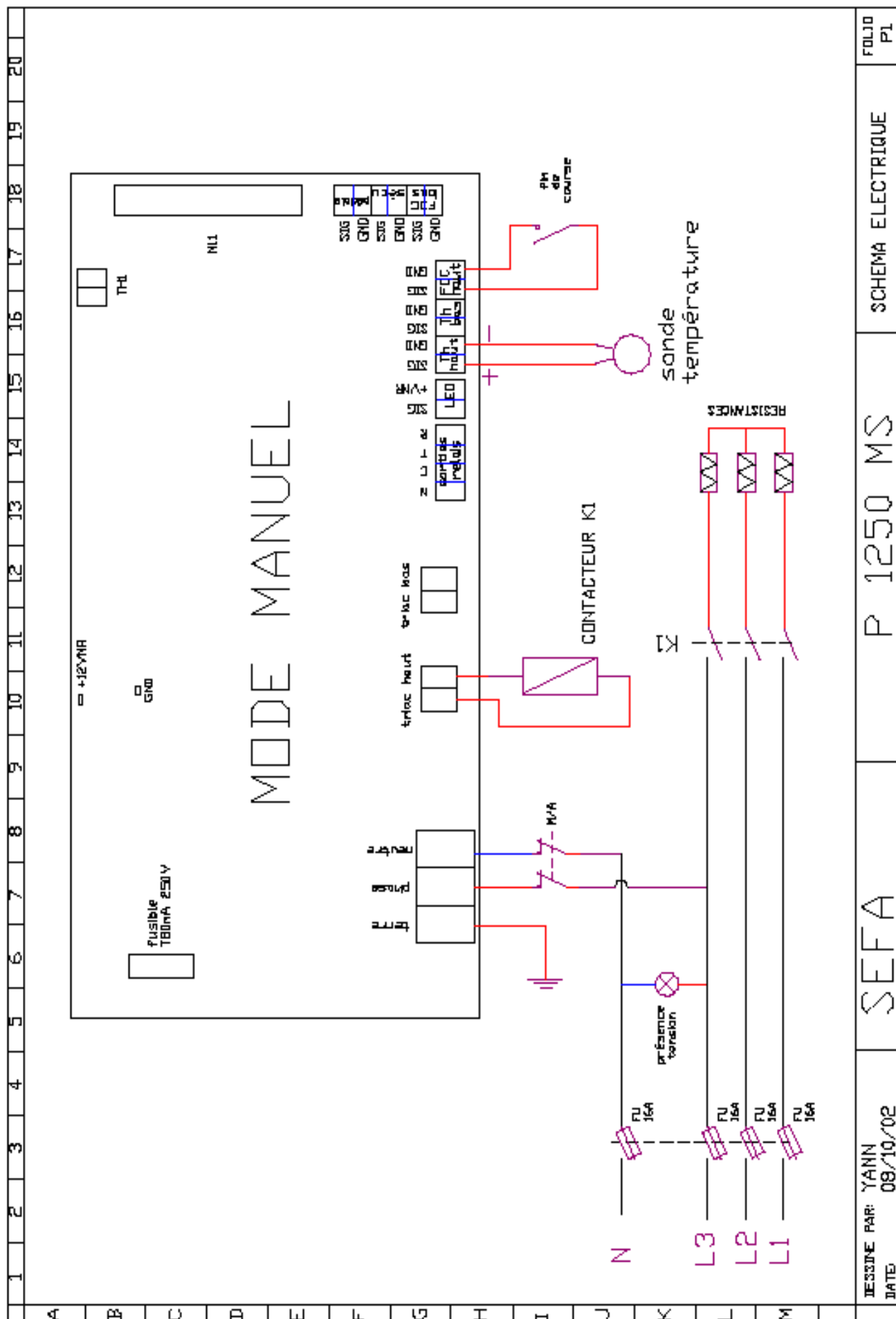
BACK OF MACHINE



FRONT OF MACHINE

IX. ELECTRIC DIAGRAM

ELECTRIC DIAGRAM



X. NOTES

This image shows a full page of white paper with horizontal dotted lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.