Service manual and spare parts list

Drying cabinet TS 62
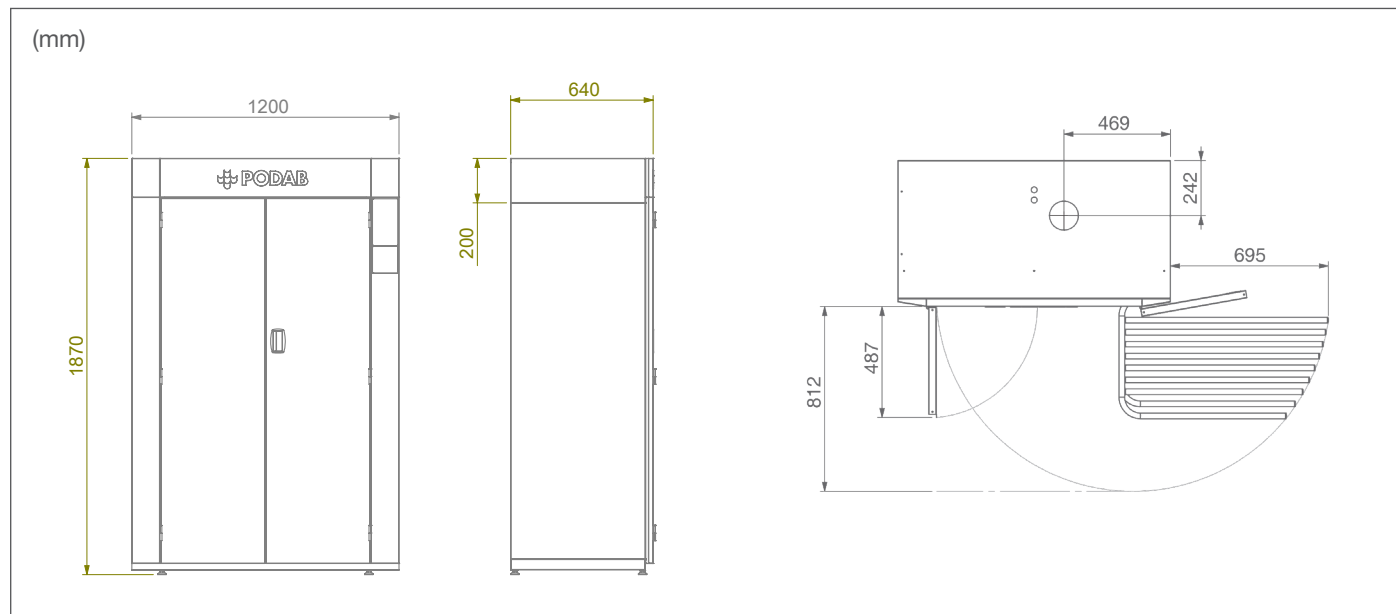
Thank you for choosing our drying cabinet TS 62. We hope that it will be of great use for you.

Contents

Dimensions and specifications

Measurements

(mm)

Technical information

Loading capacity, kg	up to 8 kg
Evacuation connection ø, mm	125
Drying capacity, g/minutes*	78
Hanging length, m	17
Drying time, minutes*	40
Maximum evacuated air, m3/h	240
Electrical connection	3~N, 400 V, 50 Hz
Element effect, kW	6,0
Total effect, kW	6,3
Energy consumption/kg, kWh*	0,6
Weight, kg	145
Part No	131025
*For 6 kg dry weight cotton with 53% residual moisture. The cabinet has a cool down phase of 15 minutes when the heating phase is completed.	

Main control board

The drying cabinet TS 62 can be customized by adjusting the main control board´s parameters. The following parts describe how these parameters can be reached and the meaning of them.

Service menu

Activate the service menu

To go to the service menu; press both the left arrow buttons in about 5 seconds. The LCD-display shows: "SERVICE MENU".

Push the START-button 5 times continuously to go in the parameter list.

Navigate in the service menu

To browse in the parameter list, use the two top buttons, see picture.

Change parameter values

Depending on if the present parameter shows temperature, time or ON/OFF-function, the present value is shown on the left or the right hand side of the LCD. To change the value, use the arrow buttons.

Leave the service menu

Push the start button.

Parameter list

#	Parameter	Alternative	Factory position
1	LANGUAGE	SWE/ENG/FRENCH	ENG
2	PRESET	OFF/TS 62/T 196	TS 62
3	DEGREE UNIT	C/F	C
4	MIN TEMP	(-- --), 25-> (MED-5)	40
5	MED TEMP	(MIN +5)-> (MAX-5)	60
6	MAX TEMP	(MED +5) -90	80
7	DEF TEMP	MIN/MED/MAX	MED
8	SHOW DEGREES	ON/OFF	OFF
9	MAX TIME	1:00-09:59	02:00
10	DEF TIME	0:00- (MAX TIME)	00:40
11	AUTOPROG	ON/OFF	ON
12	TEMP AUTO PR	25-90	80
13	K-VALUE PR1	(-5) – (+10)	3
14	K-VALUE PR2	(+35) – (+50)	40
15	HYST TEMP	0-20	10
16	COOL DOWN	0:00-0:20	00:15
17	SHOW TEMP+HU	ON/OFF	OFF
18	SHOW LOGO	ON/OFF	ON
19	SOUND	ON/OFF	ON
20	STANDBY	ON/OFF	ON
21	LIGHT TIME	0:00-0:30	00:10
22	PAUSE TIME	0:00-0:30	00:10
23	COIN	ON/OFF	OFF
24	SIGNAL TYPE	PLS/N-0	N-0
25	WORK TIME	-	[000000] h
26	TEST LOOP	ON/OFF	OFF
27	CLEAR E-CODE	YES	-

Explanation of parameters

P#1 - LANGUAGE

TS 62 is delivered with English display text as standard. Choose between Swedish, English and French.

P#2 – PRESET

Choice of product in which the main control board is used. Shall be in mode "TS 62" or "OFF". "OFF" means that the main adjustments for the cabinet have been adjusted by some of the other parameters. If the parameter is in mode "TS 62", the cabinet goes back to the main adjustments.

P#3– DEGREE UNIT

The degrees can be displayed in Celsius or Fahrenheit.

P#4 – MIN TEMP

Setting of minimum temperature level in manual mode. "----" means that the warmth is completely shut off. Choose this alternative if the customer wishes a pure airing program. The interval (can be altered) is affected of MED TEMP. The highest possible degree to be chosen depends on which value parameter No 5 has. Setting from the factory is 40ºC.

P#5 – MED TEMP

Setting of medium temperature level in manual mode. Choose temperature level, depending on value for both MIN and MAX TEMP. Setting from the factory is 60ºC.

P#6 – MAX TEMP

Setting of maximum temperature level in manual mode. Lowest temperature level to choose is depending on which value parameter 5 has. Setting from the factory is 80ºC.

P#7 – DEF TEMP

Sets the default temperature when the user goes to manual mode.

P#8 – SHOW DEGREES

In manual mode shows the chosen temperature in degrees for the three levels. This function can be turned off so that only the symbol on the thermometer is shown.

P#9 – MAX TIME

Setting of time to choose in manual mode. Maximum 9h 59 minutes.

P#10 – DEF TIME

This parameter controls the time which is default when the user goes into manual mode. Standard is 40 minutes.

P#11 – AUTOPROG

When this parameter is set in mode "OFF" the automatic programs is inactivated. If the user tries to go to automatic mode, the display shows the text "INACTIVATED".
P#12-14 is only displayed if P#11 is in mode "ON".

P#12 – TEMP AUTO PR

Setting of the temperature to which the automatic program is working. Preset to 80ºC.

P#13 – K-VALUE PR1

TS 62 has a drying automatic function called HTS – Humidity Tracking System. The cabinet dries the laundry to a certain humidity level. When the humidity sensor measures that the humidity in the cabinet has reached a certain level (the laundry is dry) the cool down phase is activated. The humidity level is adjusted to each new drying session and is not fixed. The K-value is part of the control function.
If the K-value is increased, the humidity level by which the cabinet stops for cool down will also increase. A higher K-value gives a shorter drying time as the automatic will register the laundry as dry quicker. If the K-value is decreased, the drying time is prolonged in automatic mode. Parameter "K-VALUE PR1" affects automatic program "CABIN DRY".

P#14 – K-VALUE PR2

Manage the K-value for automatic program "IRON DRY". See explanation for P#13.

P#15 – HYST TEMP

It controls the hysteresis. TS 62 is preset on 10ºC. Means that when the working temperature is reached and the elements are turned off, it will be a delay until the temperature has fallen to 10ºC before the heating goes on again. Shorter hysteresis increases the energy consumption.

P#16 – COOL DOWN

After the heating phase, the cabinet has a period of cool down to recondition the laundry and lower the temperature within the cabinet. The time is set to 15 minutes. Shorter time can give a better drying result but the energy consumption will also increase. PLEASE NOTE! Without the cool down period, the inner plates in the cabinet will be very hot when the user removes the laundry.

P#17 – SHOW TEMP+HU

This parameter is for making it easier for service technicians to find out what is wrong. If it is set in mode "ON" the cabinet will show current temperature and air humidity by respective sensors. When the automatic programs are on, the parameter also shows information of humidity level when the drying process is stopped and when the cool down starts. This information is shown in the display in the upper text field after about 1 minute drying.

P#18 – SHOW LOGO

Turns on and off the PODAB-logo on the top of the LCD-display.

P#19 – SOUND

This parameter controls if the sound shall be on or off. In mode "ON" you can hear a distinct "beep-noise" each time buttons to be chosen from are pressed or if a drying period is ended.

P#20 – STANDBY

In the mode "ON", the background light of the display is turned off automatically if no button is pressed for two minutes and no drying program is chosen. The display light is turned on again when you push any button or the doors are opened. In mode "OFF" the light is constantly off.

P#21 – LIGHT TIME

The lighting in the cabinet is turned on when you open the doors. The parameter LIGHT TIME controls how long time the light is on if the doors are left opened. When the time is ended, the lamp is turned off automatically.

P#22 – PAUSE TIME

When the doors are opened during drying, the drying program is paused. If the doors are left opened for a longer time, the cabinet will stop the program. The time is adjustable from 0 – 30 minutes. PLEASE NOTE! If the parameter is set to 0 minute, the cabinet will stop the program as soon as the doors are opened.

P#23 – COIN

The cabinet TS 62 can be connected to a booking system. To activate the function, put the parameter in mode "ON". To start a program, a connection over the control board's COIN-contact is needed.

P#24 is only shown if P#23 is set in mode "ON".

P#24 – SIGNAL TYPE

This parameter is used when the cabinet is connected to a booking system. Choose mode depending on which type of signal the booking system is sending. "PLS" stands for pulse and means that the cabinet is booked per drying period. One pulse gives one drying period. "N-O" is chosen when the signal is either on or off. Usually the signal is set for a specific time during which the washing is booked for. The current program will always be finished even if the signal is broken during the program.

P#25 – WORK TIME

The parameter shows total amount of hours the cabinet has been working. Is also memorized if the electricity to the control board is broken.

P#26 – TEST LOOP

The testing program is started by changing the parameter values to "ON". The program can be used to control the components in the cabinet. Parts are activated as follows: To jump to the next step, press arrow button. The program is automatically jumping over to the next level after 30 seconds.

1. Fans connected to FAN1.
2. Fan connected to FAN2 (also if you have an external fan).
3. Heating on.
4. All segments on LCD-display are lit and the back-ground light is flashing.
5. The temperature sensor shows current temperature.
6. The humidity sensor shows current air humidity.
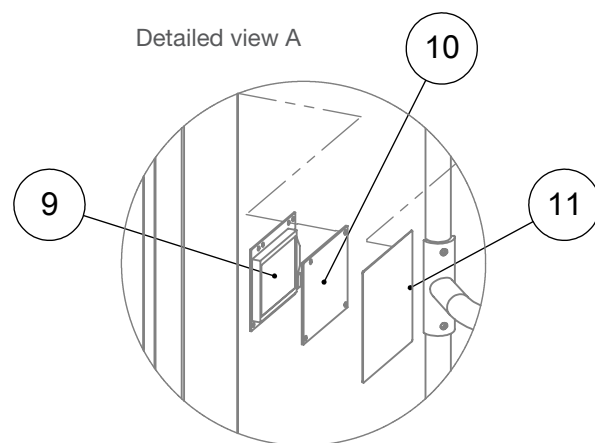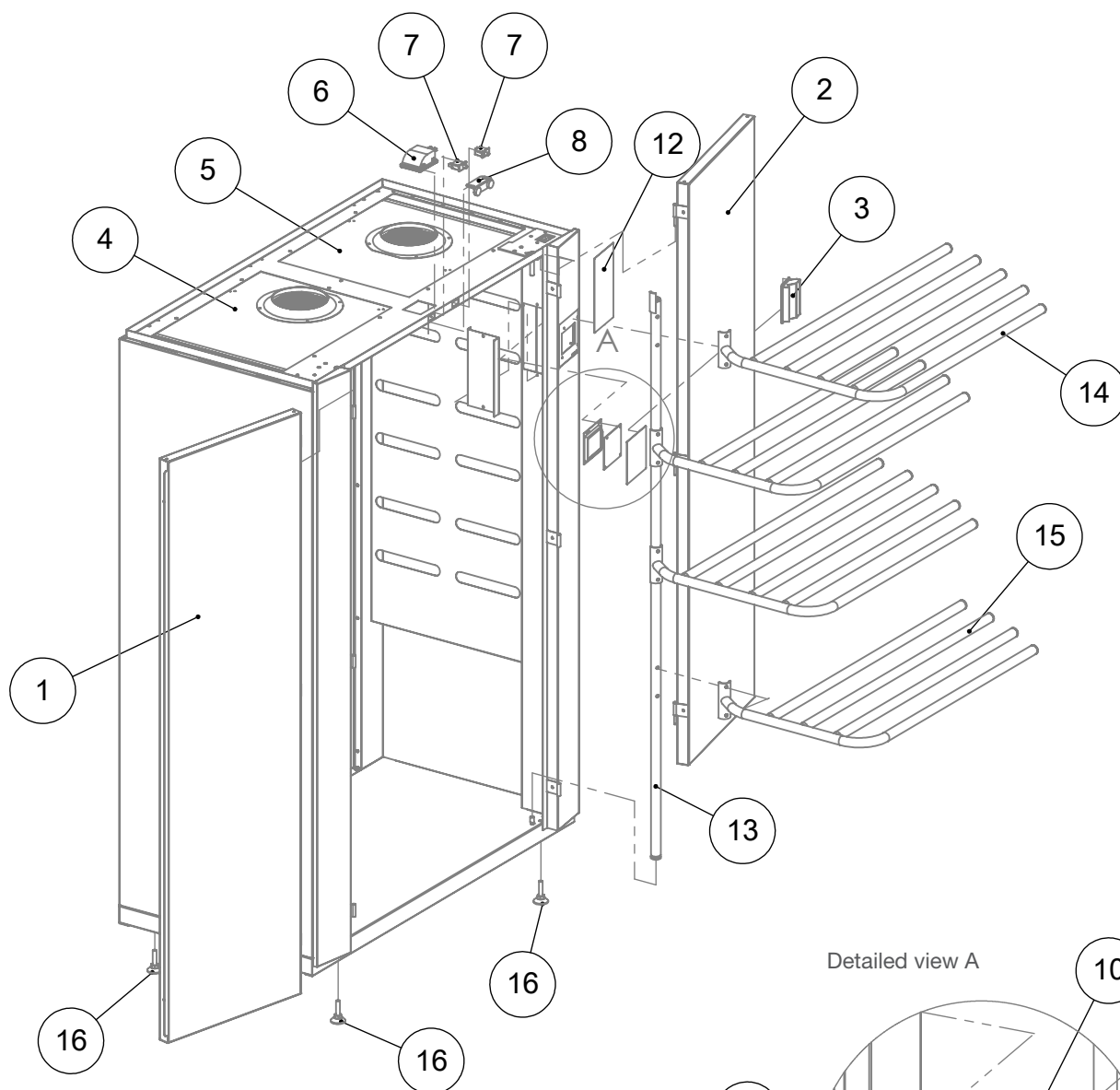
P#27 – CLEAR E-CODE

To be used to erase an e-code in the display after it has been fixed. Press button below "YES".
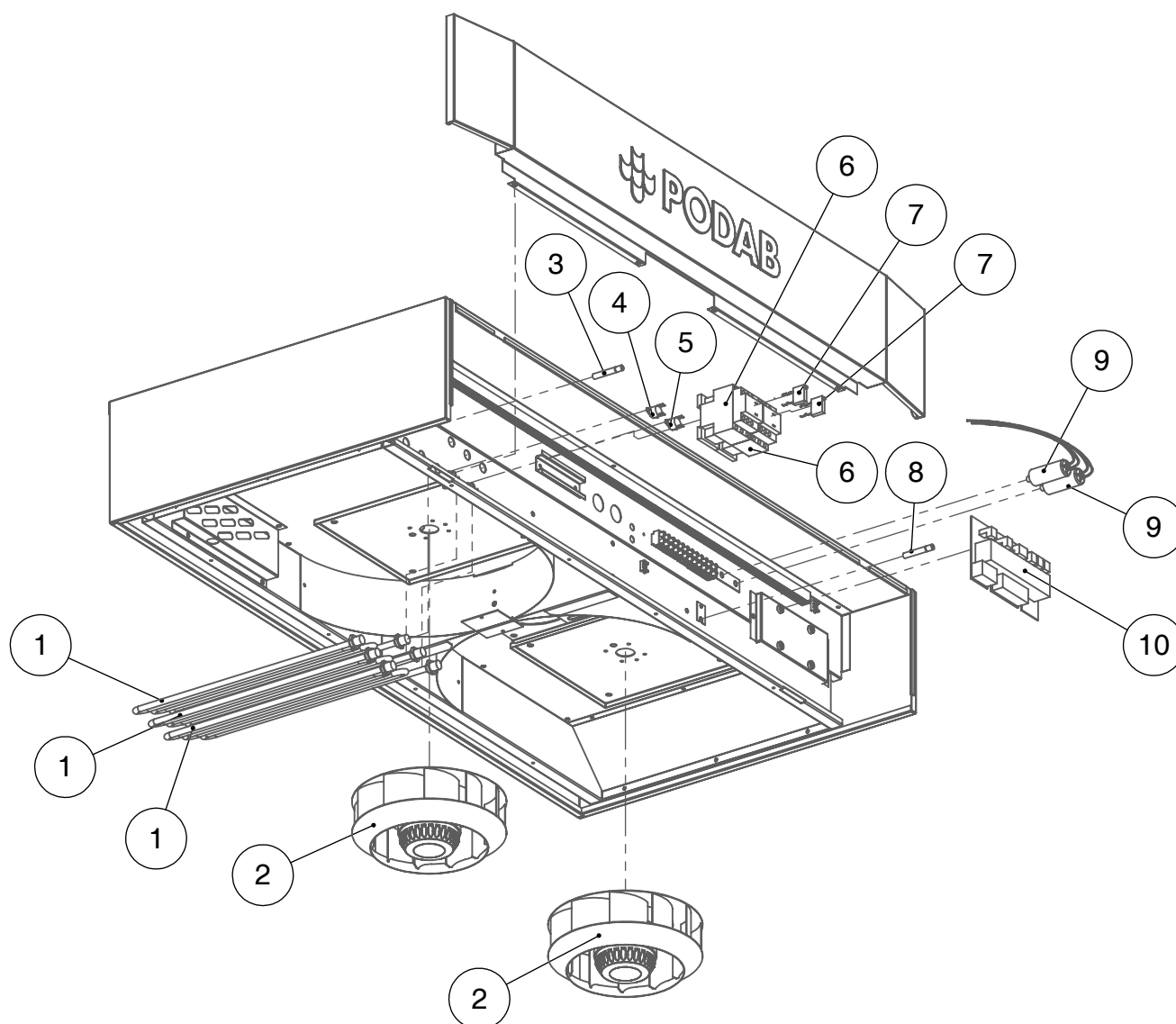
Error codes

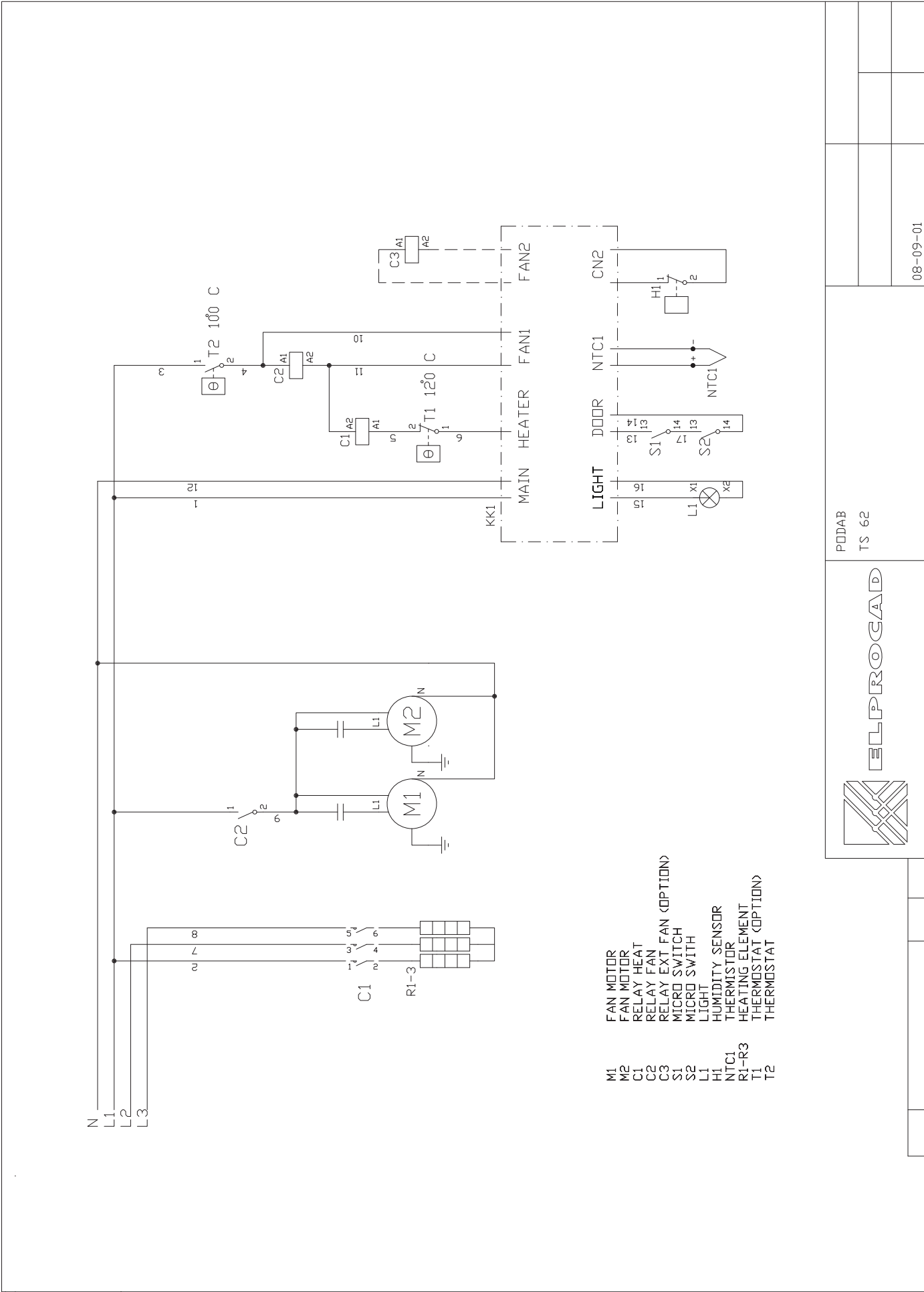| Disp	Reason	Activity
E:T1	Control board gets no signal from the temperature sensor.	Control that the sensor is connected correctly on the main control board and that the cable from the sensor to the board is intact.
E:T3	The control board's electronically overheat protection has been activated. The error code is generated if the temperature is risen above 100ºC, twice within 30 minutes.	Control that the fan motors are working as they should. Also control the temperature sensor and that the cable from the board is intact.
E:H1	The control board gets no signal from the humidity sensor.	Control that the sensor is connected correctly on the main control board and that the cable from the sensor to the board is intact.

Spare parts list

Cabinet

Detailed view A

No	Part No	Description
1	TS 61084	Door left
2	TS 61085	Door right
3	TS 61086	Handle
4	TS 61087	Service door left
5	TS 61088	Service door right
6	TS 61081	Lamp/Bulb
7	70107001	Door switch
8	TS 61089	Magnet list
9	0110151	Display control board
10	TS 61090	Cover glass
11	0110152	Keypad
12	011053	Sticker user manual
13	TS 61091	Hanging frame
14	TS 61092	Hanging level 5-arms
15	TS 61093	Hanging level 4-arms
16	TS 61094	Foot

No	Part No	Description
1	TS 61080	Element 2000 W
2	E 150020	Fan motor
3	0110155	Temperature sensor
4	TS 61026	Over heat protection 120°C
5	TS 61027	Over heat protection 100°C
6	504142	Relay LC1-D12P7 230 V
7	TS 61082	Disturbance filter
8	0110154	Humidity sensor
9	TS 61083	Condenser
10	0110150	Main control board

Electrical drawing

M1	FAN MOTOR
M2	FAN MOTOR
C1	RELAY HEAT
C2	RELAY FAN
C3	RELAY EXT FAN (OPTION)
S1	MICRO SWITCH
S2	MICRO SWITH
L1	LIGHT
H1	HUMIDITY SENSOR
NTC1	THERMISTOR
R1-R3	HEATING ELEMENT
T1	THERMOSTAT (OPTION)
T2	THERMOSTAT

PODAB
TS 62

ELPROCAD

08-09-01

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