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CE

USA

OLYMPIC

11000

TECHNICAL MANUAL

INSTALLATION AND MAINTENANCE

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1.1 INTRODUCTION**IMPORTANT**

BEFORE OPERATING THE MACHINE, READ THE TECHNICAL INSTRUCTIONS CONTAINED IN THIS OPERATING MANUAL CAREFULLY AND COMPLETELY.

This Technical Manual is designed for use by installers and operators, and should be read carefully and completely before the machine is operated.

This manual contains all the instructions and information necessary to operate the machine:

- Correct installation of the machine.
- Description of the functions of the machine.
- Circuit diagrams.

The installers and the operators can use this manual to understand the characteristics of the machine and to learn the correct operating procedure.

**THE UNIT IS SUPPLIED FOR INPUT VOLTAGE AT 230V ~ 60 Hz
AND IT IS SUPPLIED WITH OUT THE FEEDING CABLE**

To make a **power cable connection**, make reference at chapter "INSTALLATION INSTRUCTIONS" paragraph "ASSEMBLY INSTRUCTIONS" table 2 and to the **OLYMPIC n° 1/10** electrical diagram.

To make a **voltage-change**, make reference at chapter "INSTALLATION INSTRUCTIONS" paragraph "VOLTAGE-CHANGE".

THE **MAGNETOTHERMIC DIFFERENTIAL** MUST BE INSTALLED IN THE POWER SUPPLY BOARD OF THE ESTHETICAL CENTRE AND IT MUST BE DONE BY THE CENTRE ITSELF.

Mod **OLYMPIC 11000**: 2x50A-30mA to feed 230V ~ 60 Hz
3x32A-30mA to feed 230V - 3 ~ 60 Hz
4x25A-30mA to feed 400V - 3 ~ 60 Hz

These operation must be done by technical personnel.

THE POWER SUPPLY CONNECTION (UNIT- BOARD) MUST BE DONE BY THE CENTRE. THE SKILLED TECHNICIAN MUST USE A CERTIFIED CABLE WITH THE PROPER SECTION AND WITH ADEQUATE MECHANICAL PROTECTION, IN ACCORDANCE WITH THE RULES IN FORCE.

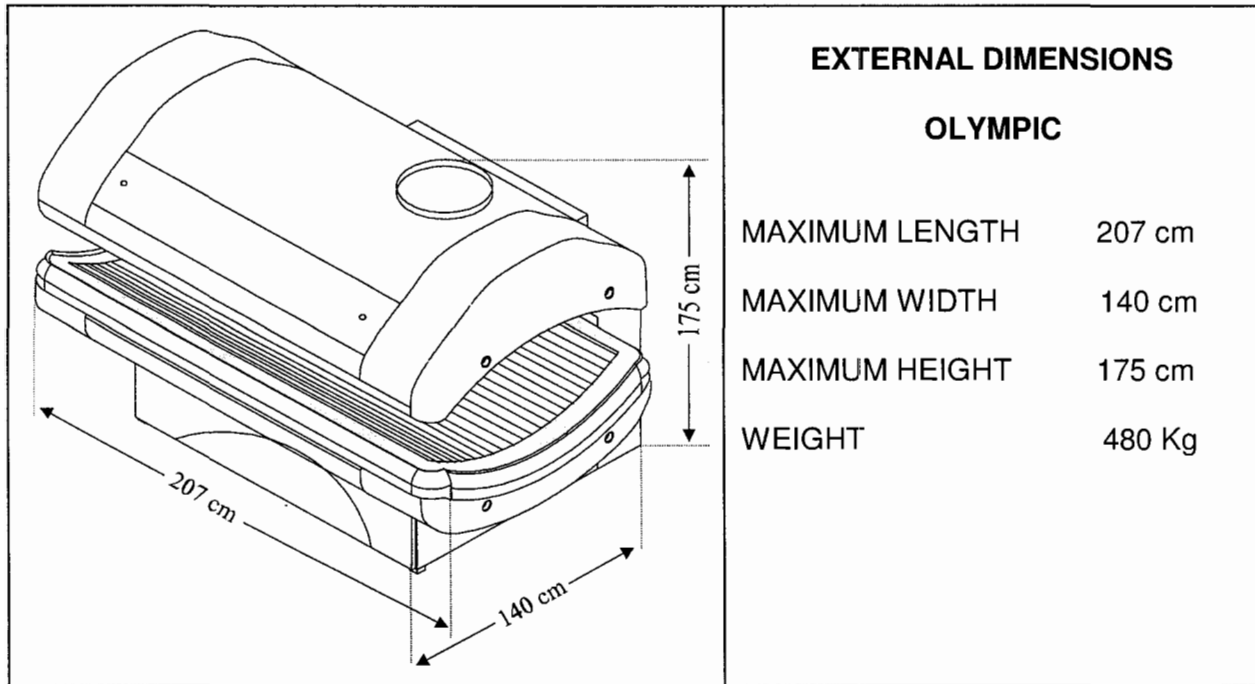
SEE CAHAPTER 2.2 TABLES FOR TECHNICAL DATA "POWER SUPPLY CABLE SECTION"

TO HAVE A CORRECT USE OF THE EQUIPMENT, THE ROOM TEMPERATURE MUST NOT EXCEED THE 33°C DEGREES. IF ROOM TEMPERATURE EXCEEDS THIS VALUE, WE SUGGEST TO UTILIZE AN AIR-CONDITIONING UNIT.

2 - TECHNICAL DATA

USA

2.1 EXTERNAL DIMENSIONS OLYMPIC



EXTERNAL DIMENSIONS

OLYMPIC

MAXIMUM LENGTH	207 cm
MAXIMUM WIDTH	140 cm
MAXIMUM HEIGHT	175 cm
WEIGHT	480 Kg

2.2 TABLE OF TECHNICAL DATA OLYMPIC

OLYMPIC 11000	UNIT	DATA		
POWER SUPPLY	V	230V ~	230V 3 ~	(400V 3 ~)
POWER ABSORPTION	KW	10.5		
CURRENT ABSORPTION	A	46	31	(17)
POWER FACTOR CORRECTION	cosφ	0.97	0.97	0.99
FREQUENCY	Hz	60		
SECTION OF POWER CABLE	mm ²	16	10	(4)
HEAT DISSIPATION	Kcal/h	7654		
CALORIES EXPELLED	Kcal/h	6858		
EXHAUST AIR FLOW	m ³ /h	1905		
SKY LAMPS	N.	22 KALFASUN B23-S WHITE 140W		
FACIAL LAMPS	N.	2 KALFASUN 1510		
FACIAL LAMPS	N.	2 KALFASUN 610		
BED LAMPS	N.	22 KALFASUN B23-S WHITE 100W		

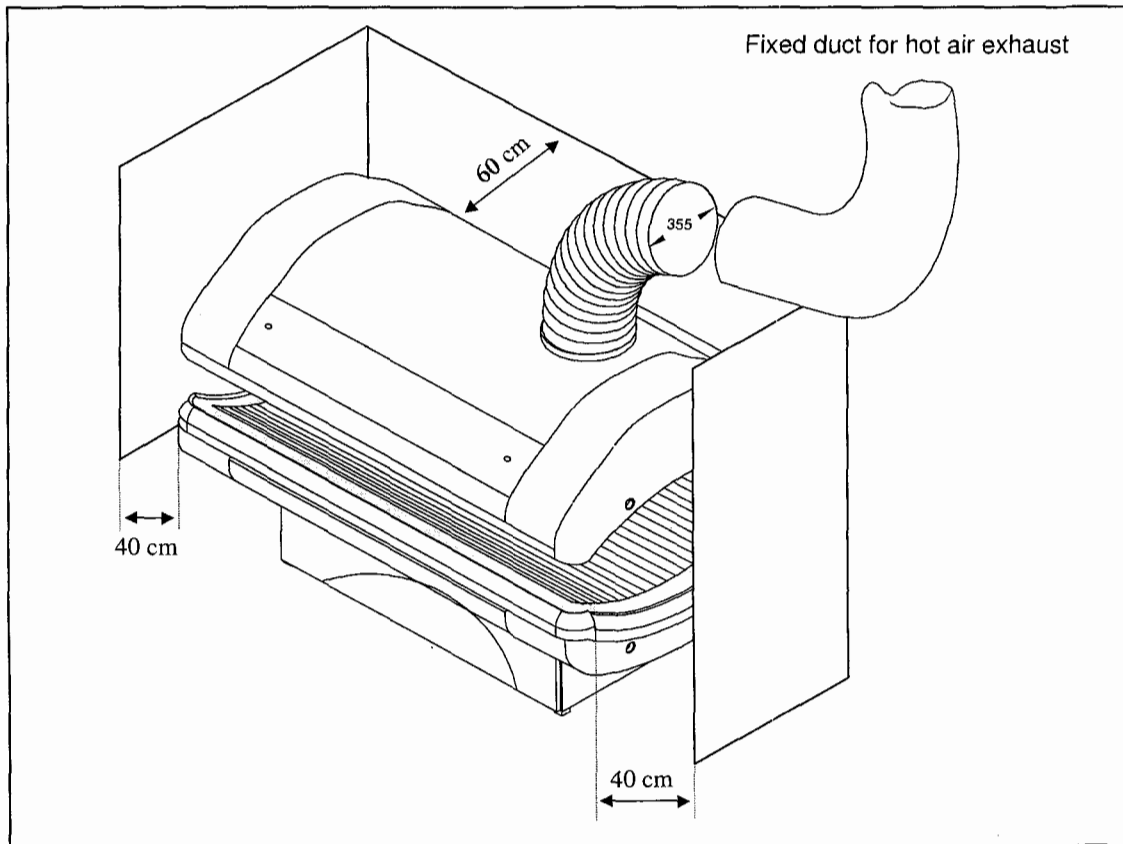
IMPORTANT

IN CASE OF FAILURES THAT CAN CAUSE A SHORT CIRCUIT, THE EQUIPMENT, FED WITH SINGLE-PHASE TENSION, CAN BE SUBMITTED TO DAMAGES REQUIRING ALSO A RELEVANT REPAIRING INTERVENTION, THAT CAN REACH THE NEW CABLE OF ONE OR MORE ELEMENTS OF THE EQUIPMENT.

THE SAFETY OF THE PERSON, EVEN IN CASE OF SHORT CIRCUIT, IS NOT COMPROMISED.

3.1 PRE-INSTALLATION

In order to ensure correct operation of the machine, it should be installed in an area which has been prepared as shown in the figure.

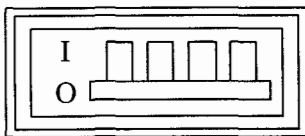


3.2 CONNECTION

- The area in which the machine is installed **must be adequately ventilated**. A fixed exhaust duct must be installed to expel the hot air from the cooling system to the exterior.
- The metal structure of the machine is earthed by means of insulated wires connected to the earth terminal in the electrical junction box.
- The earth circuit must be in full compliance with **IEC standard 64-8, section IX**.
- The earth connection must also be fitted to low-voltage systems situated in wet or very damp areas (if the voltage to earth is in excess of 25V for alternating current or 50V for direct current).
- The earth wires connected to every part of the various sections of the machine and the earth wires from the various power circuits and user groups must be connected to a single earthing circuit.
- Ensure that the materials used for the earth system are suitably robust and provided with adequate protection.
- The connection to the main earth terminal should be as short as possible. The earth wires should not be subjected to mechanical stress of any kind, and must be protected against corrosion.

3.3 ASSEMBLY INSTRUCTIONS**SEE ENCLOSED TABLE 1 AND 2**

- 1 - Fix the base **A** to the lateral **B** with the screws M8X50 (hexagonal head) + n°6 washer of 8x24 with teeth.
- 2 - Put the bed **C** on teh base **A** before fixing it with the specific n°2 screws M6x30 (large head) + n°2 teflon washer.
- 3 - Put the sky **E** in the specific brackets **D** placed in the lateral part.
- 4 - Thread the head cables through the rectangular holes **G** in the base, fix them to the specific cable locking devices and fix the brackets **H** with the self-tapping screws 4.8x13.
- 5 - Fix the plastic cover **I** with the specific two scews M6x30 (large head) + washer of 8 and teflon washer.
- 6 - Put the boxes **L1**, **L2** and **L3** (see table 1).
- 7 - Make the following connections:
 - 32-pin connector from sky to the box **L1**.
 - 32-pin connector from bed to the box **L2**.
 - 16-pin connector from lateral to the box **L3**.
 - 16-pin connector from sky to the box **L3** (light blue).
 - 4+2-pin connector from lateral to the box **L3**.
 - 6-pin connector from the box **L2** to the box **L3**.
 - 6-pin connector from the box **L1** to the box **L3** (blue).
 - 3-pin connector from bed cooling fan to the box **L3**.
- 8 - Connect the batteries placed in the internal side of the box **L3** to put in motion the automatic rising function.
- 9 - Connect the feeding cable to the lateral part, as indicated in table 2.
- 10 -Fix the back panels of the lateral with the specific self-tapping screws 4.2x25.
- 11 -Fix the plastic panel **M** using the 4 screws 4.8x16.
- 12 -Connect the unit to the input voltage.
- 13 -How to use the overload cut-out switch (located on the control cassette).



I= Power supply connected.

O= Power supply disconnected (position shown in the figure above).

3 - INSTALLATION INSTRUCTIONS

USA

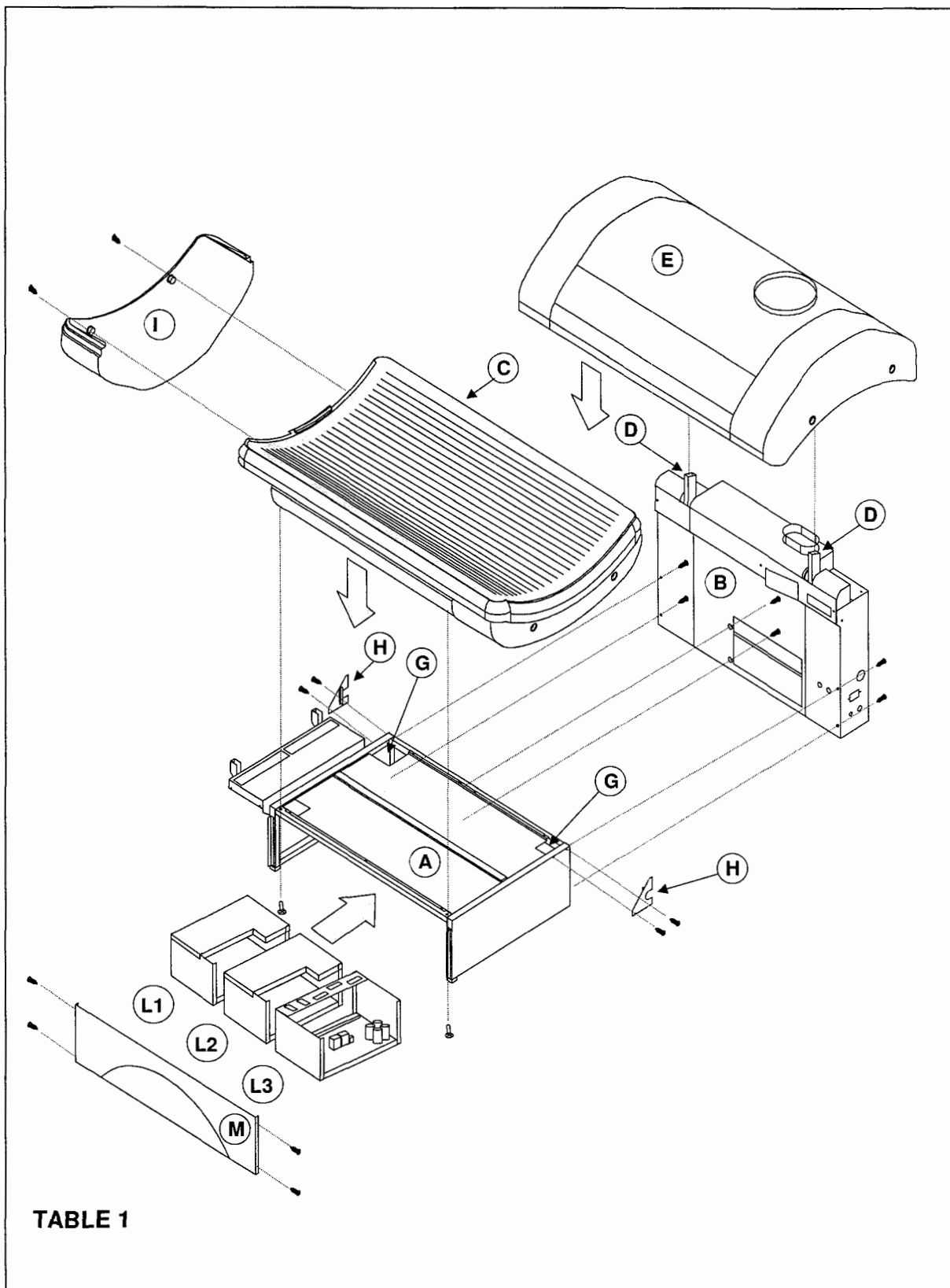
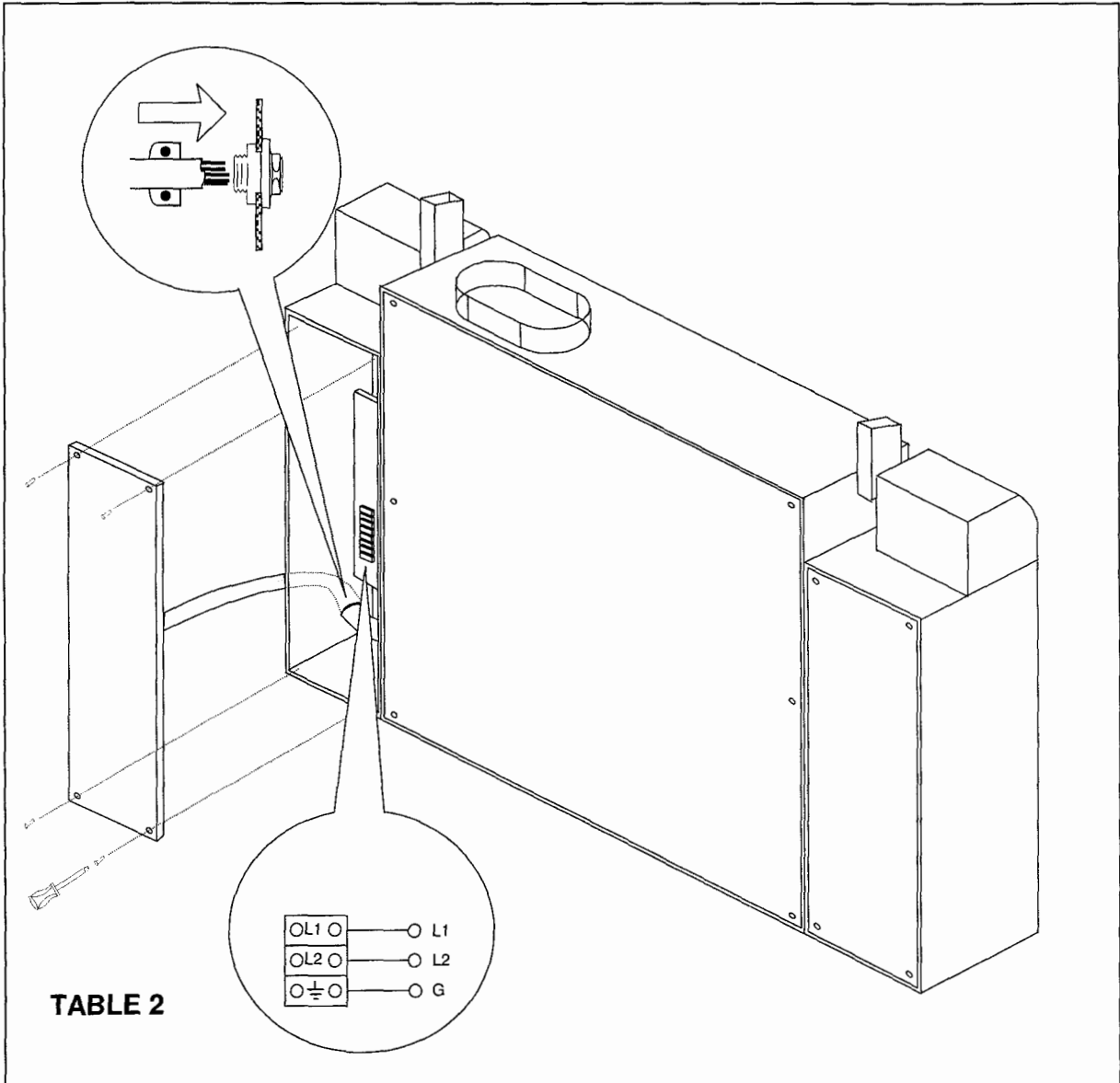


TABLE 1

3 - INSTALLATION INSTRUCTIONS

USA

POWER CABLE CONNECTION TO FEED 230V ~ 60 Hz



3 - INSTALLATION INSTRUCTIONS

USA

IMPORTANT !

ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BY PRESSING THE SWITCH MAGNETOTHERMIC DIFFERENTIAL BEFORE CARRYING OUT MAINTENANCE

3.4 VOLTAGE CHANGE

To enter the terminal board for power supply, placed inside the lateral part, make reference to table 2.

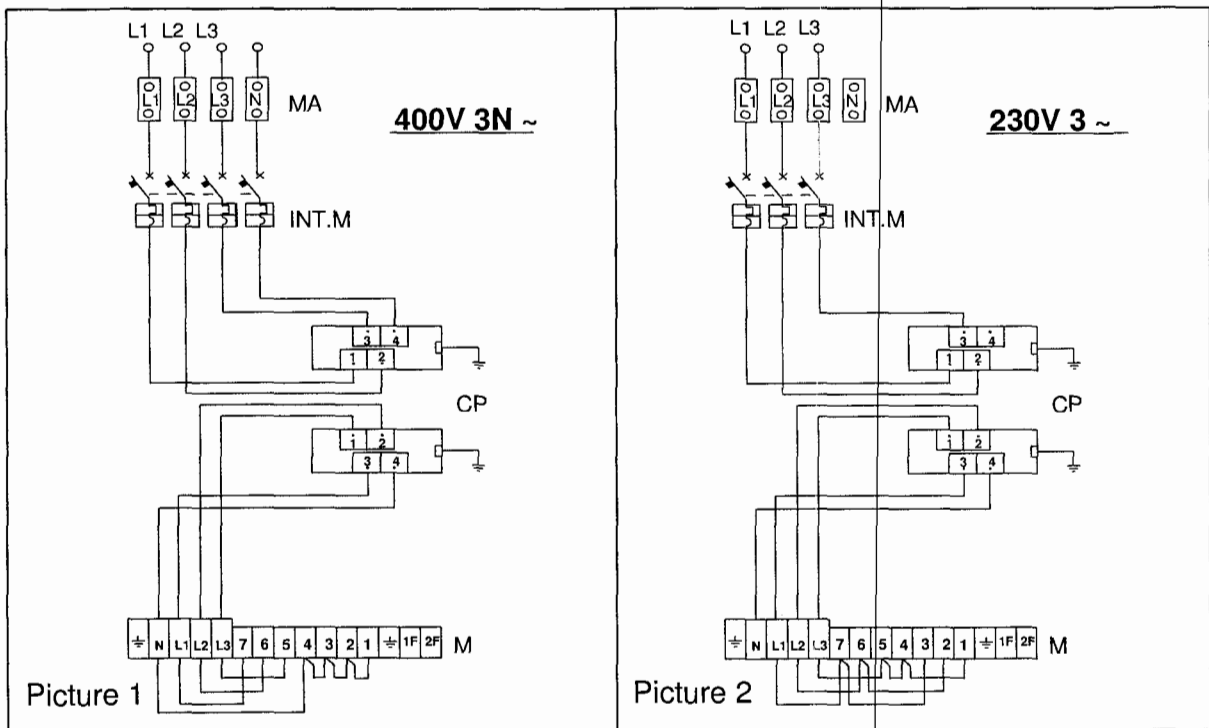
TO CHANGE TENSION TO **230V 3~** AND **400V 3~** ADD TWO FEEDING TERMINAL BOARDS **N** AND **L3**.

- TO MAKE VOLTAGE CHANGE FROM **230 V ~** TO **230 V 3 ~**

- 1) Change the feeding cable with a cable of adequate section $\varnothing 10 \text{ mm}^2$.
- 2) Change the **thermomagnetic differential** switch placed in the feeding board of the estetical centre system with one having the following characteristics **3x32A-30mA**.
- 3) Change the **thermomagnetic** switch placed inside the lateral with one having the following characteristics **3x32A**.
- 4) Make the connections as shown in picture 2.

- TO MAKE VOLTAGE CHANGE FROM **230 V ~** TO **400 V 3 ~**

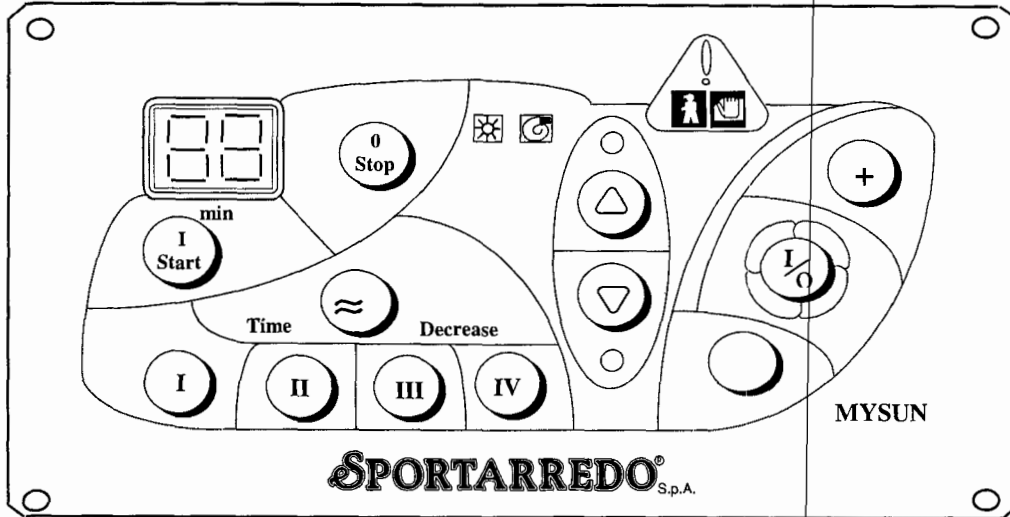
- 1) Change the feeding cable with a cable of adequate section $\varnothing 6 \text{ mm}^2$.
- 2) Change the **thermomagnetic differential** switch placed in the feeding board of the estetical centre system with one having the following characteristics **4x25A-30mA**.
- 3) Change the **thermomagnetic** switch placed inside the lateral with one having the following characteristics **4x25A**.
- 4) Make the connections as shown in picture 1.



4 - INSTRUCTIONS FOR MAINTENANCE

USA

4.1 CONTROL BOARD



Pushing this button you start the tanning treatment.



The time button is used to set the time, in minutes, for the time session. **May be used by authorized personnel only.**



The buttons marked "+" may be used to increase the power of the fan.



When this button is pressed, the upper section descends to the normal operating position. Downward movement of the head is controlled by impulses; if the button is released, the downward movement is interrupted.



This lamp lights when the appliance has been operated for 100 hours to indicate that routine maintenance must be performed.



When the STOP button is pressed, the tanning lamps are switched off and the upper section (ceiling) moves upwards. The tanning session is concluded.



Pushing the ON/OFF button you start or stop the body cooling fan.



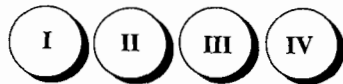
The buttons marked "-" may be used to decrease the power of the fan.



Press this button to adjust the height of the head as desired. Upward movement of the ceiling is controlled by impulses; if the button is released, the upward movement is interrupted.



This lamp lights when the appliance has been operated for 400 hours to indicate that it is necessary to call a qualified technician for special maintenance.

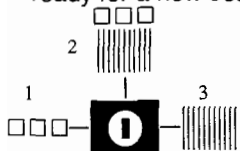


Pushing this buttons you enter the programme following the customer skin type and how long does it need to tan.

IMPORTANT

MPT/3 electronic board permits to use the remaining time of a session in case of temporary interruption of power, with the relative "reset" of the unit. The remaining time will flash in the display: pushing the **Start** button you can use such time, while pushing the **Stop** button you set to zero such time and the unit is ready for a new session.

SELECTOR



- 1 - Switches on the high-pressure facial lamps.
- 2 - Switches on all the lamps (high-pressure and low-pressure).
- 3 - Switches on the low-pressure ceiling and bed lamps.

Selection of the lamps must be made by the qualified personnel of the tanning centre and must be set before the session.

The machine is equipped with a radio/cassette-player, so that the client can listen to music during the tanning session. The use of headphones is recommended.

4 - INSTRUCTIONS FOR MAINTENANCE

USA

4.2 CONTROLLER BOARD PROGRAMMING

Function	Code	Value
Coin time	PU	1-40
Sitting time for skin type 4	P4	1-40
Sitting time for skin type 3	P3	1-P4
Sitting time for skin type 2	P2	1-P3
Sitting time for skin type 1	P1	1-P2
Board total operating hours reading	OF	XX-XX
Number of sittings performed reading	nS	XX-XX
Board manufacture date reading	dC	WW-YY

To be able to read or modify the MPT/3 board base parameters, the board must be programmed using the following procedure:

1) Turn on power to the device, then press the **Time** key, followed by the **II** key, and keep them pressed for approximately 4 seconds.

"PU" will appear on the display, indicating that the first parameter regarding the coin sitting time can now be accessed and changed as follows:

- Press the start key and the machine will display the currently-loaded value;
- Use the + or – key to increase or decrease the value;
- Press the stop key to confirm the change and exit from the program;
- Return the machine to normal operating mode by cutting off power for a few seconds.

Use the + or – keys to select the program to be modified or displayed.

PU - COIN TIME

When "PU" is displayed, the coin sitting time program may be accessed. Press the start key to display the currently-entered value, and then the + or – key to make the desired changes. Press stop to confirm the change and exit from the program. Once exited, the display will read "P4".

P4 - SITTING TIME FOR SKIN TYPE 4 (Dark olive complexions)

Follow the procedure outlined above for the PU program. Once exited, the display will read "P3".

P3 - SITTING TIME FOR SKIN TYPE 3 (Medium complexions)

Follow the procedure outlined above for the P4 program.

Once exited, the display will read "P2".

P2 - SITTING TIME FOR SKIN TYPE 2 (Light complexions)

Follow the procedure outlined above for the P4 program.

Once exited, the display will read "P1".

P1 - SITTING TIME FOR SKIN TYPE 1 (Very light complexions)

Follow the procedure outlined above for the P4 program.

Once exited, the display will read "OF".

OF - BOARD TOTAL OPERATING HOURS READING

When "OF" appears on the display, press the start key to display the total number of board operating hours.

For example, 1234 hours will be divided into two parts (12 and 34); use the time key to move between the two groups of numbers. The maximum value that can be entered is 8999. Press the stop key to exit the OF program. Once exited, the display will read "nS".

nS - NUMBER OF SITTINGS PERFORMED READING

When "nS" appears on the display, press the start key to display the number of sittings. To read this number, repeat the procedure given above for the OF program. Push the stop key to exit the nS program. Once exited, the display will read "dC".

dC - BOARD MANUFACTURE DATE READING

When "dC" appears on the display, press the start key to display the week number and, after having pressed the time key, the last two numbers of the year in which the board was manufactured. Push the stop key to exit the dC program. Once exited, the display will read "PU".

At this point, programming has been completed. To return the machine to normal operational status, turn the electrical power off and then back on.

4 - INSTRUCTIONS FOR MAINTENANCE

USA

PARAMETER PROGRAMMING

Function	Code	Value
Final ventilation time	A0	1-5
Function reserved	A1	00
Sitting start delay	A2	0-40
Up / down buttons activated/deactivated	A3	Ab-dS
Coin accumulation function activated/deactivated	A4	Ab-dS
START stand-by function activated/deactivated	A5	Ab-dS
START button on keyboard activated/deactivated	A6	Ab-dS
Mid session buzzer activated/deactivated	A7	Ab-dS
Display time	A8	Ab-dS
Time remaining storage	A9	Ab-dS
Center code number setting (StartEst+StopEst)	E0	00-99
Set code number of the sub centre	E1	0-99
Card functioning mode	E2	0-3
Serial number set for RS485	E6	00-99
Parameter copy from a second RS485 board (copy with Time key)	CP	-
Test function: 14' cycle, 4' cooling, 2' pause x three times (start/stop)	FC	-
Number of point/minute face only	C1	00-99
Number of point/minute face only	C2	00-99
Number of point/minute body session	C3	00-99
Number of point/minute body session	C4	00-99

To enter the second programming phase, proceed as follows:

Once the first programming phase has been completed, "PU" will appear on the display. Press, in this order, the **Time** key, the **IV** key and the **I** key and hold them down for approx. 4 seconds. "AD" will appear on the display indicating that the second level of functions can now be accessed.

- Press the start key and the machine will display the currently-loaded value;
- Use the + or – key to increase or decrease the value;
- Press the stop key to confirm the change and exit from the program.

A0 - FINAL VENTILATION TIME

When A0 appears on the display, it is possible to enter the program for modifying final ventilation time. Press the start key to display the currently-loaded value and use the + or – key to make changes. Press stop to confirm the change and exit the program. Once exited, "A1" will appear on the display.

A1 - FUNCTION RESERVED

When A1 appears on the display, it is possible to enter the program reserved for future applications. The entered value is irrelevant. Press stop to confirm the change and exit the program. Once exited, "A2" will appear on the display.

A2 - SITTING START DELAY

When A2 appears on the display, it is possible to enter the program for modifying the delay time at the beginning of a sitting, with an external start control. Repeat the procedure given above under program A1. Once the program has been exited, "A3" will appear on the display.

A3 - UP DOWN BUTTONS ACTIVATED/DEACTIVATED

Enter program A3 by pressing the start button. "Ab" (up/down activated) or "dS" (up/down deactivated) will appear on the display. Change the setting using the + or – key. Press stop to confirm the change and exit the program. Once exited, "A4" will appear on the display.

A4 - COIN ACCUMULATION FUNCTION

Enter program A4 by pressing the start button. "Ab" (accumulation activated) or "dS" (accumulation deactivated) will appear on the display. Change the setting using the + or – key. Press stop to confirm the change and exit the program. Once exited, "A5" will appear on the display.

4 - INSTRUCTIONS FOR MAINTENANCE

USA

A5 - START STAND-BY FUNCTION (with coin accumulation activated)

Enter program A5 by pressing the start button. "Ab" (stand-by activated) or "dS" (stand-by deactivated) will appear on the display. Change Ab or dS status using the + or – key. Press stop to confirm the change and exit the program. Once exited, "A6" will appear on the display.

A6 - START BUTTON ON KEYBOARD

Enter program A6 by pressing the start button. "Ab" (key activated) or "dS" (key deactivated) will appear on the display. Change Ab or dS status using the + or – key. Press stop to confirm the change and exit the program. Once exited, "A7" will appear on the display.

A7 - MID SESSION BUZZER ACTIVATED/DEACTIVATED

Enter program A7 by pressing the start button. "Ab" (buzzer activated) or "dS" (buzzer deactivated) will appear on the display. Change Ab or dS status using the + or – key. Press stop to confirm the change and exit the program. Once exited, "A8" will appear on the display.

A8 - DISPLAY TIME

Enter program A8 by pressing the start button. "Ab" (display activated) or "dS" (display deactivated) will appear on the display. Change Ab or dS status using the + or – key. Press stop to confirm the change and exit the program. Once exited, "A9" will appear on the display.

A9 - TIME REMAINING STORAGE

Enter program A9 by pressing the start button. "Ab" (storage activated) or "dS" (storage deactivated) will appear on the display. Change Ab or dS status using the + or – key. Press stop to confirm the change and exit the program. Once exited, "E0" will appear on the display.

E0 - CENTER CODE NUMBER SETTING

When E0 appears on the display, it is possible to enter the program to set the code number of the tanning center for that board. Press the external start stop keys and, using the + and – keys, enter the number of the center. Press stop to confirm the change and exit the program. Once exited, "E1" will appear on the display.

E1-SET CODE NUMBER OF THE SUB-CENTRE.

For MPT/3-TRS/1 versions precedent to the 6.00 version: E1 indicates the cost in points that the card debits when it is set in card mode, from a minimum of one point to a maximum of 99. With the 6.00 and later version, the E1 parameter has changed meaning and has become the number of the franchising agency. The card reads the number of the franchising agency from the card and memorizes the value in the E1 parameter. At this point, with the SUN MANAGER software, that value can be read and the cost debited to the agency that issued the chip card.

In the versions successive to 6.00, the E1 parameter (cost in points) has been substituted by the parameters C1-C2-C3-C4.

E2 - CARD FUNCTIONING MODE

When E2 appears on the display, it is possible to enter the program to select the operation mode of the card reader installed on the machine. Press the start key to confirm the already-loaded value, or use the + and – keys to make changes. Press stop to confirm the change and exit the program. Once exited, "E3" will appear on the display.

"Zero" mode indicates that the reader has not been activated.

E6 - SERIAL NUMBER SET FOR RS485

When E6 appears on the display, it is possible to enter the program to set the board i.d. serial number for connection to a computer. Press start to enter the program and use the + and – keys to make changes. Press stop to confirm the change and exit the program. Once exited, "CP" will appear on the display.

CP-COPIES PARAMETERS FROM A SECOND CARD WITH RS485.

With the display showing CP you access the programme that allows the copying of set parameters from one card to another. The cards must be connected through the serial connection (terminals 20 and 21). Press Start and gain access to the programme: Press the Time key for 4 seconds in order to carry out the copying of the parameters. Press Stop to exit from the programme. On exiting the display shows FC.

4 - INSTRUCTIONS FOR MAINTENANCE

USA

FC - TEST FUNCTION

When FC appears on the display, it is possible to enter the program that allows the board to perform three complete self-test routines. Push start to enter the program and the board automatically carries out a cycle of three self-test routines made up of three 14-minute operating cycles, each with its respective 4-minute cool-down period and 2-minute pause.

C1-NUMBER OF POINTS / MINUTE FACE ONLY.

With the display showing C1 you access the programme that allows the insertion of the number of points that are deducted at every face session, or for every token in those cases in which the card is programmed on card 2 mode, whenever the card is used with a matched chip card reader. Example: if we wish to enter 4000 points for the face session we must set up the card with C1=40, C2=00. Press the Start key to accept the parameters already memorized, or else the keys + or - to carry out the variation. Press the Stop key to confirm the variation and exit from the programme. On exiting the display will show C2.

C2-NUMBER OF POINTS / MINUTE FACE ONLY.

With the display showing C2 you access the programme that allows the insertion of the number of points that are deducted at every face session, or for every token in those cases in which the card is programmed on card 2 mode, whenever the card is used with a matched chip card reader. Example: if we wish to enter 4000 points for the face session we must set up the card with C1=40, C2=00. Press the Start key to accept the parameters already memorized, or else the keys + or - to carry out the variation. Press the Stop key to confirm the variation and exit from the programme. On exiting the display will show C3.

C3-NUMBER OF POINTS / MINUTE BODY SESSION.

With the display showing C3 you access the programme that allows the insertion of the number of points that are deducted at every body session, or for every token in those cases in which the card is programmed on card 2 mode, whenever the card is used with a matched chip card reader. Example: if we wish to enter 4000 points for the body session we must set up the card with C3=40, C4=00. Press the Start key to accept the parameters already memorized, or else the keys + or - to carry out the variation. Press the Stop key to confirm the variation and exit from the programme. On exiting the display will show C4.

C4-NUMBER OF POINTS / MINUTE BODY SESSION.

With the display showing C4 you access the programme that allows the insertion of the number of points that are deducted at every body session, or for every token in those cases in which the card is programmed on card 2 mode, whenever the card is used with a matched chip card reader. Example: if we wish to enter 4000 points for the body session we must set up the card with C3=40, C4=00. Press the Start key to accept the parameters already memorized, or else the keys + or - to carry out the variation. Press the Stop key to confirm the variation and exit from the programme. On exiting the display will show A0.

At this point, programming has been completed. To return the machine to normal operational status, turn the electrical power off and then back on.

MPT/3 CIRCUIT BOARD TERMINALS: NUMBERING AND DESCRIPTION

- 1 = POWER SUPPLY PHASE.
- 2 = POWER SUPPLY NEUTRAL.
- 3 = CONTROL PHASE FOR FIRST LAMP SWITCH-ON.
- 4 = CONTROL PHASE FOR SECOND LAMP SWITCH-ON.
- 5 = CONTROL PHASE FOR LAMP COOLING FANS.
- 6 = CONTROL PHASE FOR ADJUSTABLE BODY-COOLING VENTILATION.
- 7 = COMMON CONTACT FOR ASCENT.
- 8 = NC CONTACT FOR ASCENT.
- 9 = NA CONTACT FOR ASCENT.
- 10 = COMMON CONTACT FOR DESCENT.
- 11 = NC CONTACT FOR DESCENT.
- 12 = NA CONTACT FOR DESCENT.
- 13 = COMMON
- 14 = ENABLE START
- 15 = START.
- 16 = STOP
- 17 = COMMON.
- 18 = SELECTOR 1
- 19 = SELECTOR 2
- 20 = SERIAL +
- 21 = SERIAL -

4.3 CONNECTING A COIN BOX

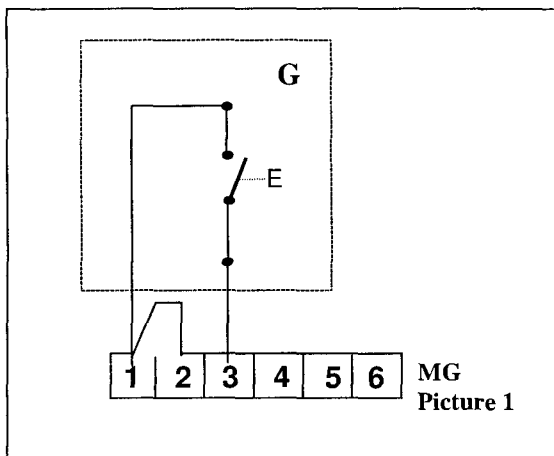
An impulse or timer coin box may be connected to the MPT/3 board.

For the former, at each impulse, the assigned time per coin will be displayed and this time may be accumulated using the accumulation function.

1) Connect the two wires of the **impulse coin box (G)** to numbers 1 and 3 on the terminal strip (**MG**) located inside the lateral. Please refer to electrical diagram "OLYMPIC 11000_9/10". The coin box cable input is located near the power supply cable input. Figure 1.

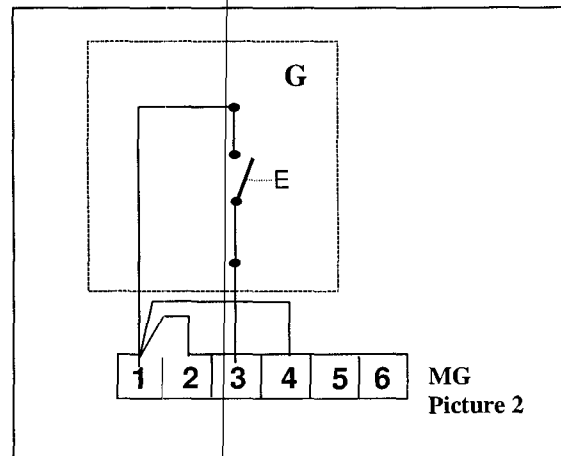
For the latter, the contact remains closed for the duration of the time entered for the timer. Please note, the time entered for the MPT/3 board must be greater than that of the timer.

2) Connect the two wires of the timer **coin box (G)** to numbers 1 and 3 on the terminal strip (**MG**) located inside the lateral and create a jumper between terminals 1 and 4. Please refer to electrical diagram "OLYMPIC 11000_9/10". The coin box cable input is located near the power supply cable input. Figure 2.



Numbers 1 and 2 of the terminal board **MG** are used for enable start. (Enable Start).

Numbers 1 and 4 of the terminal board **MG** are used for remote stop.



Number 1 and 3 of the terminal board **MG** are used for Start.

4.4 PERIODIC CONTROL PROCEDURES

Check that the electrical safety devices, and the acoustic/illuminated signal devices and alarms are undamaged and that they function correctly. Check that the equipment and devices in the electrical control box are in satisfactory condition.

The standby batteries should be replaced after 1000 hours (or three years) of operation.

These checks must be performed by qualified personnel

4.5 DEMOLITION OF THE MACHINE

Each country applies specific legislation concerning the disposal of machinery. Disposal of this machine must be carried out in compliance with the regulations laid down by local legislation and bye-laws. Dismantle the machine and group the various parts according to their chemical characteristics.

Dismantling of the machine must be performed by qualified personnel

4.6 WASTE MATERIALS

The high-pressure lamps are considered as disposable waste materials and all the materials regarding the packing. Due to their characteristics, these lamps are classified as non-toxic and non-harmful **special waste materials**. Disposal of the lamps must therefore be effected as required by the appropriate legislation. **Batteries** must be discharged as differentiated waste following the specific rules in force in each country.

DEFINITION OF SPECIAL WASTE MATERIAL: Residual material deriving from industrial processes or agricultural, artisan, commercial or service activities which, in view of their quantity of characteristics, are not classified as normal household refuse.

IMPORTANT !
ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BY
PRESSING THE SWITCH MAGNETOTHERMIC DIFFERENTIAL BEFORE
CARRYING OUT MAINTENANCE

4.7 MAINTENANCE



PILOT LAMP FOR ROUTINE MAINTENANCE

This lamp lights when the appliance has been operated for 100 hours to indicate that routine maintenance must be performed:

- cleaning of the internal and external filters .

The signal light is taken off as follows:

- push button **I**,
- Keeping pushed button **I**, push button **II**,
- Keeping pushed button **I**, **II**, push button **III**,
- Keeping pushed button **I**, **II**, **III** for 4 seconds.

The procedure must be done with the equipment in pause.



PILOT LAMP FOR SPECIAL MAINTENANCE

This lamp lights when the appliance has been operated for 400 hours to indicate that it is necessary to call a qualified technician for special maintenance:

- cleaning of the internal and external filters
- replacement of the high-pressure and low pressure lamps.
- Grease the screw on the latch mechanism. Use MOLIKOTE BR2, only. This lubricant is available from SPORTARREDO spa
- Check that the timer devices are undamaged and running correctly.
- Check that the warning for SAFETY AND ACCIDENT PREVENTION is readable and in satisfactory condition.
- Every 800 hours change the reflector, UV-filters and the low pressure starters; clean the fans and internal parts of the machine .

The signal light is taken off as follows:

- push button **I**,
- Keeping pushed button **I**, push button **II**,
- Keeping pushed button **I**, **II**, push button **+** ,
- Keeping pushed button **I**, **II**, **+** , push button **-** ,
- Keeping pushed button **I**, **II**, **+** , **-** for 4 seconds.

The procedure must be done with the equipment in pause.

REMOVING AND CLEANING THE PLEXIGLASS PANELS

We recommend to use household liquid detergents containing ammonia (i.e. detergents for cleaning glass).

N.B. DO NOT USE ALCOHOL OR ALCOHOL-BASED PRODUCTS FOR CLEANING

CLEANING THE HIGH PRESSURE LAMPS FILTERS

Clean the filters internally and externally using a 50% solution of water and denatured alcohol.

Any tampering with the appliance or the use of non-original material or parts may lead to injury. In such cases, the manufacturer declines all civil and penal liability, and the warranty shall automatically be considered null and void.

MAINTENANCE OF THE COMPONENTS IN THE ELECTRICAL BOXES

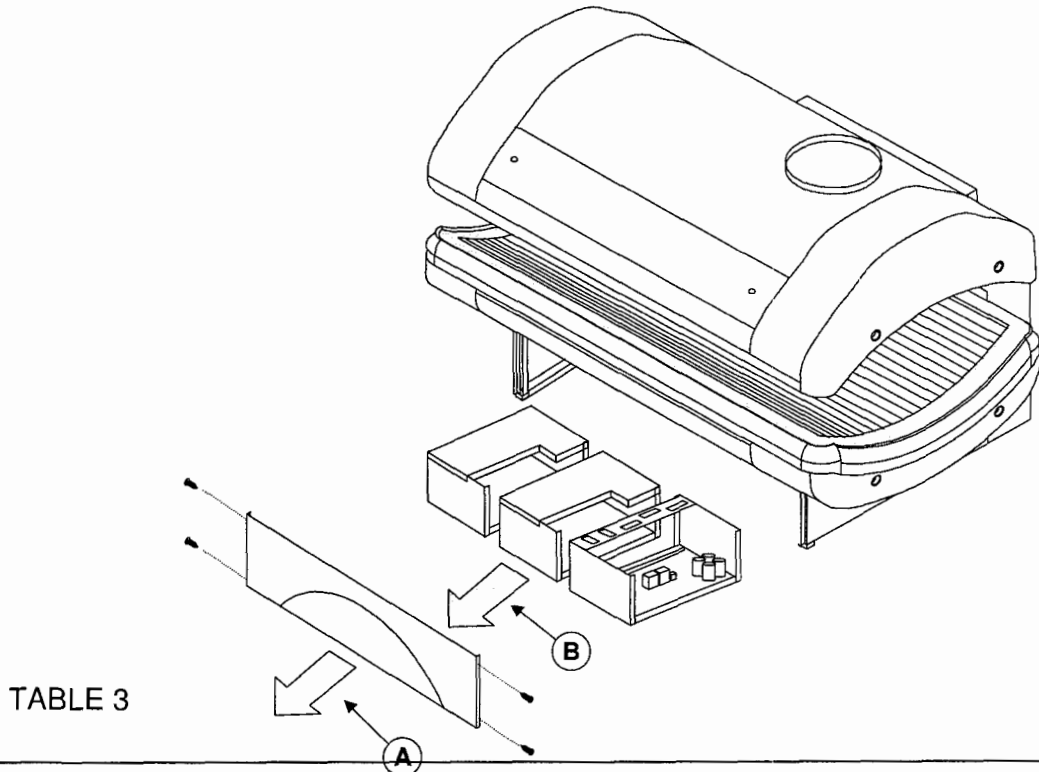


TABLE 3

REMOTE CONTROLS (See carefully the electrical diagram OLYMPIC n° 10/10)

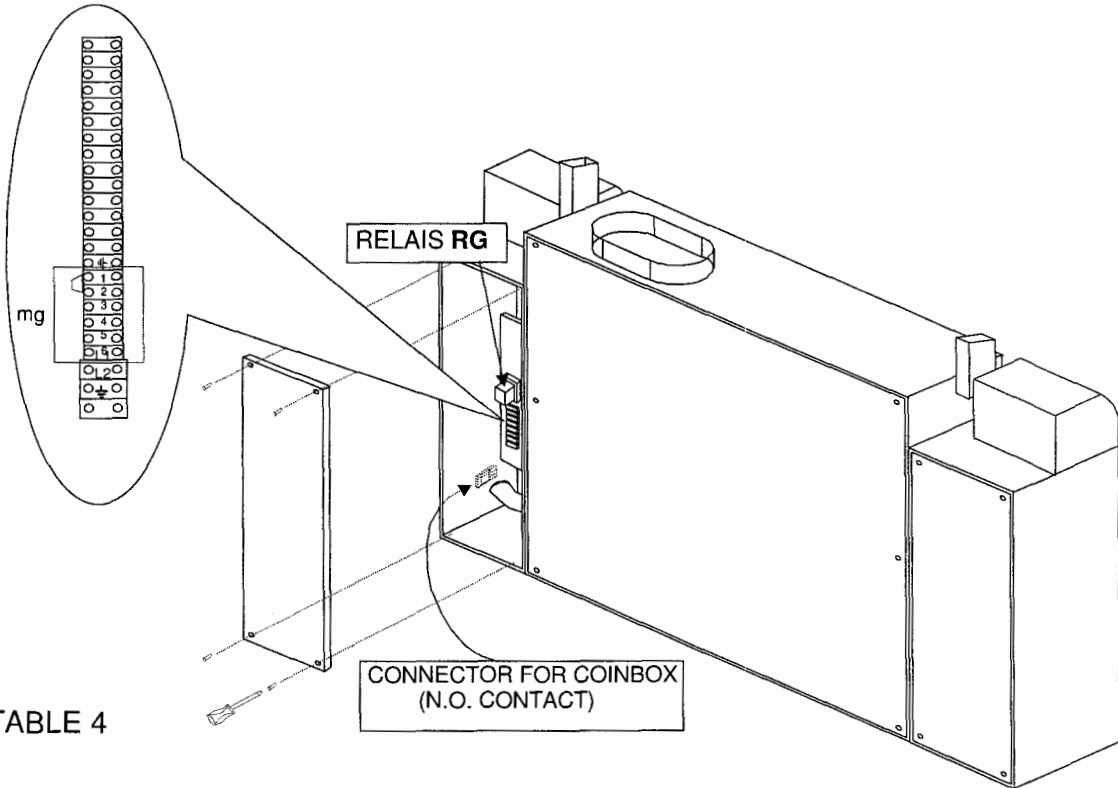
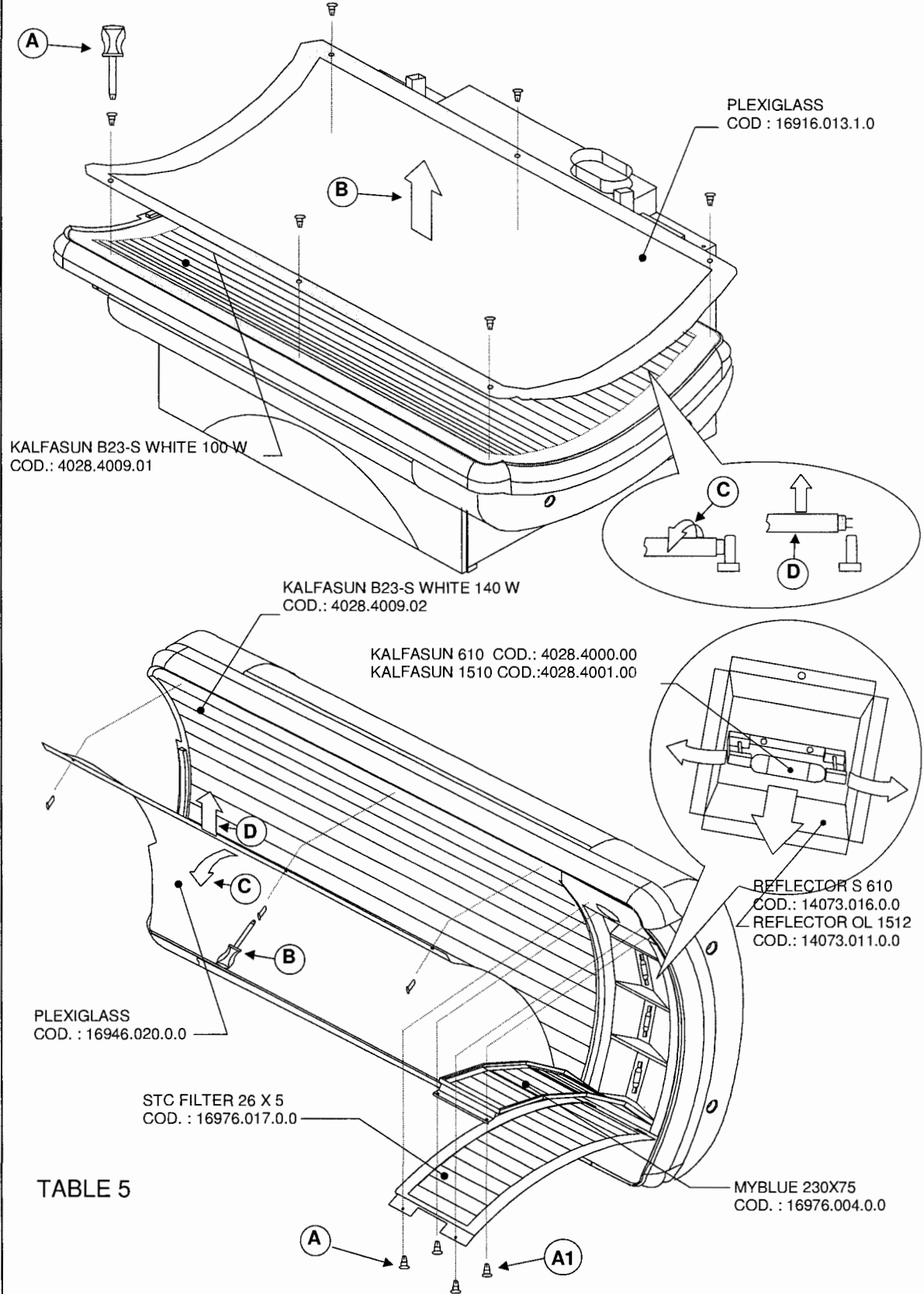


TABLE 4

4 - INSTRUCTIONS FOR MAINTENANCE

USA

REMOVING AND CLEANING THE PLEXIGLASS PANELS AND HIGH PRESSURE LAMPS FILTERS, REPLACEMENT OF THE LOW PRESSURE AND HIGH PRESSURE LAMPS



REPLACING THE HOT AIR EXHAUST FAN, THE CEILING COOLING FANS AND IGNITERS FOR HIGH PRESSURE LAMPS

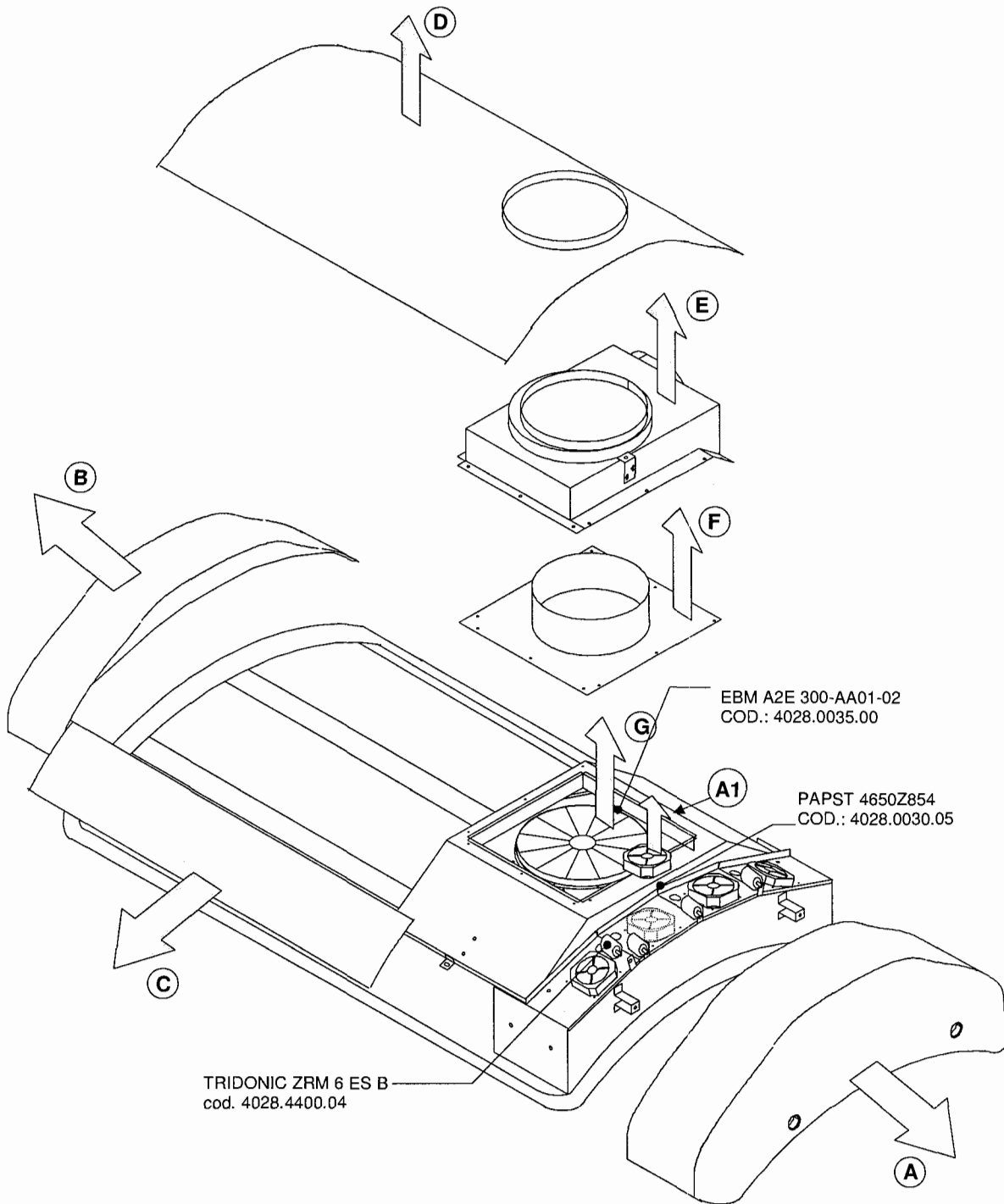
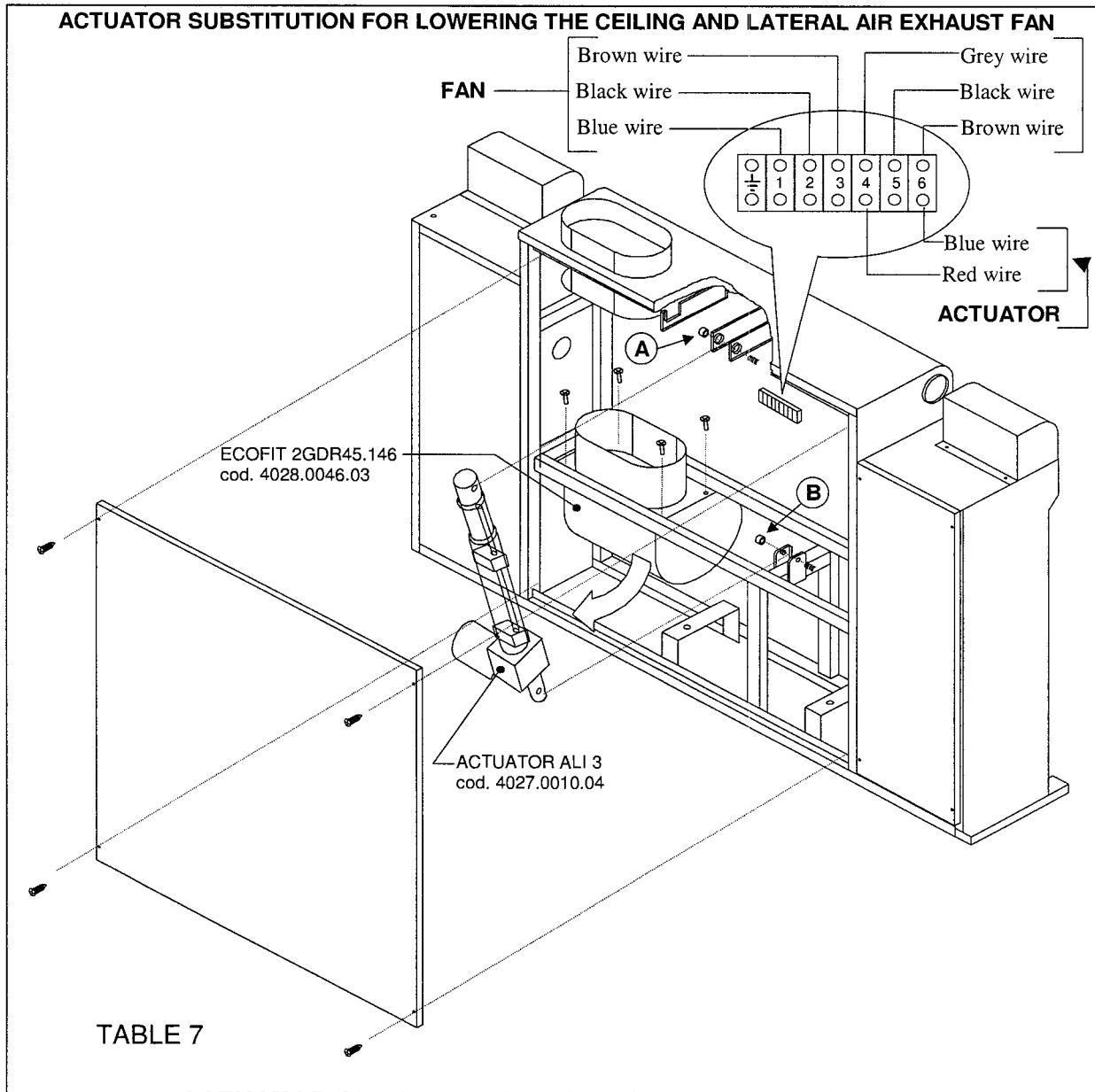


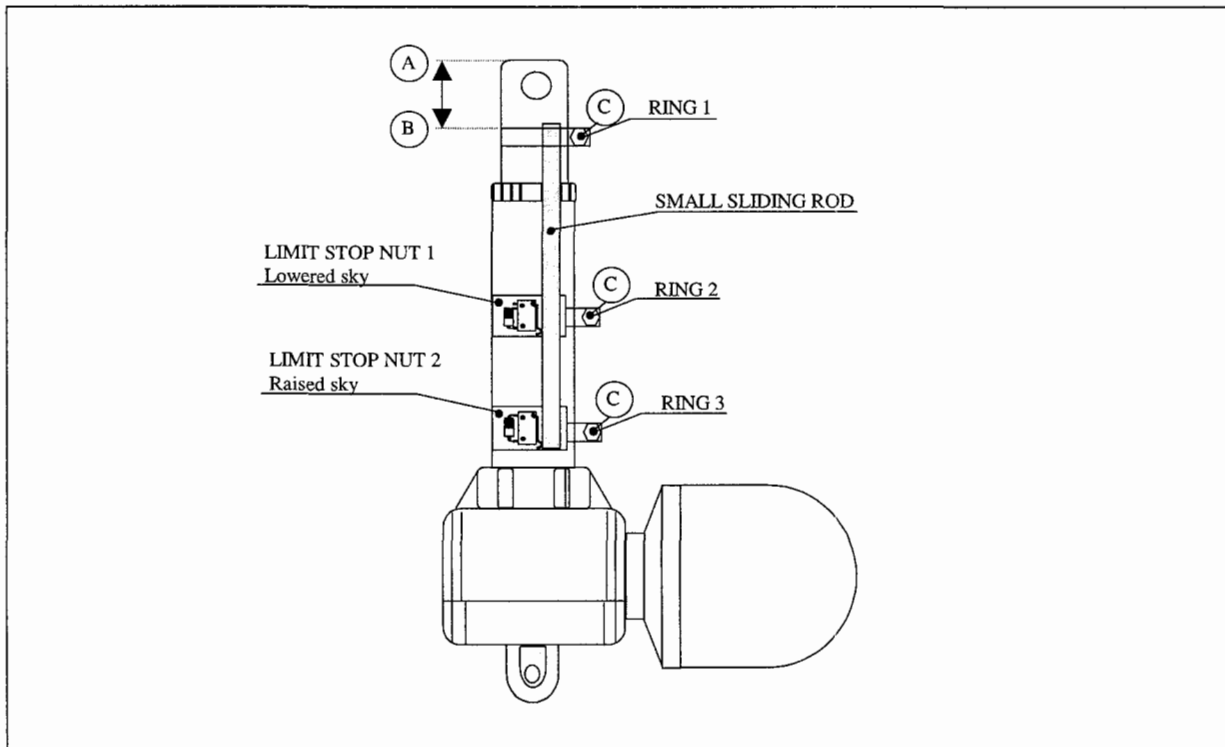
TABLE 6

PERFORM THIS PROCEDURE IN STRICT ALPHABETICAL SEQUENCE



ACTUATOR SUBSTITUTION FOR LOWERING THE CEILING

- Remove the screws and remove the panel from the lateral.
- Disconnect from the terminal board the feeding wires of the actuator.
- Support the ceiling.
- Unscrew the block **A** and release the screw nut.
- Unscrew the block **B**, release the screw nut and release the actuator.
- Replace the actuator with an approved original spare part cod. 4027.0010.04.
- To assemble the part act the opposite procedure, by paying attention to connect the feeding wires of the motor to the terminal board, as shown in table 7 (blue wire, red wire).



ADJUSTING THE LIMIT SWITCHES

- Fixing the ring 1 at a distance **AB** of 4 cm. With the allen screw **C**.
- Loosen the rings 2 and 3 of the limit stop nuts 1 and 2 and make sure that the limit stop nuts are in axis between them and that the small sliding rod slides inside them smooth.
- Make with impulses the up and down cycle of the sky adjusting the limit stop nuts of the lowered sky and of the raised sky by the release of the limit stop nuts.
- Once made the adjustment, fix the rings 2 and 3 with the allen screws **C**.
- Perform a cycle of upward and downward movement in order to check that the unit operates correctly.

4 - INSTRUCTIONS FOR MAINTENANCE

USA

4.8 OLYMPIC SPARE PARTS LIST

N.REF	N.Pc.	CODE	DESCRIPTION
1	1	4028.0046.03	ECOFIT 2GDR45.146 FAN
2	1	4028.0046.01	ECOFIT 2GDR35.133 FAN
3	2	4028.0023.03	EBM 4650Z854 FAN
4	2	4028.0021.00	EBM W2S130 AA0308 FAN
5	2	14073.016.0.0	S 610 REFLECTOR
6	2	14173.011.0.0	OL 1512 REFLECTOR
7	2	4028.4000.00	KALFASUN 610 230V UV-A LAMP
8	2	4028.4001.00	KALFASUN 1510 230V UV-A LAMP
9	22	4028.4009.01	KALFASUN B23-S WHITE 100W LAMP
10	22	4028.4009.02	KALFASUN B23-S WHITE 140W LAMP
11	2	4028.4400.04	TRIDONIC ZMR 6 ES B IGNITOR
12	2	4028.4400.03	TRIDONIC ZMR 12 ES B IGNITOR
13	2	4028.1000.01	MYSUN 1400 220/230/240V
14	2	4028.1000.02	MYSUN 610 220/230/240V
15	22	4028.1001.06	MAGNETEK D100 60 Hz FEEDER
16	22	4028.1001.07	MAGNETEK D140 60 Hz FEEDER
17	22	4028.3310.01	NEON HOLDER WITH STARTER HOLDER ART. 254/C
18	22	4028.3310.00	NEON HOLDER ART. 254/S
19	44	4028.4020.03	STARTER PHILIPS S12
20	1	4028.5510.00	ST 18/3 S PLUG
21	1	4028.5610.00	ST 18/3 B1 SOCKET
22	11	16976.004.0.0	COBALT FILTER (DIMENSIONS 230 X 75)
23	15	16976.027.0.0	STC FILTER 260 X 50 X 4
24	1	16916.013.1.0	BED PLEXIGLASS OLYMPIC
25	1	16946.060.0.0	SKY PLEXIGLASS OLYMPIC
26	11	4028.4300.00	ARCOTRONICS 65µF 250V CONDENSER
27	1	4028.4304.00	ARCOTRONICS 20µF 250V CONDENSER
28	1	4028.4307.00	5µF 400V CONDENSER
29	1	4028.4306.00	3.5µF 400V CONDENSER
30	1	4028.0035.00	EBM A2E 300-AA01-02 FAN
31	1	4028.2100.06	FANTINI E COSMI HR 2510 CONTACTOR
32	1	4028.2100.04	FANTINI E COSMI HR 1710 CONTACTOR
33	1	4028.4500.01	FINDER 60.13 RELAY
34	1	4028.4550.01	UNDECAL RELAY SOCKET 90.27
35	1	4028.4502.03	CONTROL RELAIS FOR COINBOX FINDER 55.32
36	1	4028.4555.00	RELAIS SOCKET FINDER 94.72 FOR FINDER 55.32
37	1	4028.2140.04	THERMOSTAT RS N/C
38	1	4028.3122.00	LEGRAND 37086 FUSE-HOLDER
39	1	4027.3020.16	12V 1.2AH ACCUMULATOR
40	1	4026.0010.00	RCT/1 ELECTRONIC CARD
41	1	4028.1010.05	220-230 /12+12V/9V TRANSFORMER
42	1	4027.5010.00	26MB60 DIODE BRIDGE
43	1	4028.6000.01	REVALCO HOUR-COUNTER
44	1	14703.018.0.0	AL-12 FEEDER U
45	1	4027.0010.04	ALI 3 ACTUATOR
46	1	16960.008.0.0	TRACTION SPRING
47	1	14703.003.0.0	"MPT/3 - MYSUN" ELECTRONIC TIMER BOARD
48	1	4027.3025.05	MAJESTIC RADIO
49	1	4028.2187.03	SELECTOR AT 3 STEADY POSITIONS
50	1	4028.2101.10	CONTACT FOR SELECTOR
51	1	4027.3026.00	PANNEL JACK
52	2	4027.3030.01	FAITAL 80/2F LOUDSPEAKER
53	1	16916.029.00	HEAD-REST CUSHION

4.9 TROUBLESHOOTING AND RAPID DIAGNOSTICS

- **The solarium does not switch on and the pushbutton display panel does not light.**

- 1 - Check the position of the lever on the overload cut-out switch.
- 2 - Check that the power supply terminal board is connected to the power supply.
See "OLYMPIC" n° 2 and 3 circuit diagrams.
- 3 - Check the fuses on the timer board "MPT/3".
- 4 - Check the voltage (230V ~) across terminals 1 and 2 on board "MPT/3".
See "OLYMPIC" n° 9/10 circuit diagram.

- **The display panel lights up but the solarium does not switch on when START is pressed.**

- 1 - Check the existing connection "bridge or remote control by token meter" across terminals 1 and 2 on connector "mg". See "OLYMPIC" n° 9/10 circuit diagram.
- 2 - Switch the solarium off using the overload cut-out switch, wait 5 seconds and then switch on again.

- **The display panel lights up but when START is pressed the ventilation system only is switched on.**

- 1 - Check that remote control switch "HLA" "HLB" operate correctly.
See "OLYMPIC" n° 2/10 and 3/10 circuit diagrams.
- 2 - Check the voltage 230V ~ across terminals 2 and 3 of the timer board "MPT/3".
See "OLYMPIC" n° 9/10 circuit diagram.
- 3 - Check that microswitch "INT.V" operate correctly. See "OLYMPIC" n° 7/10 circuit diagram.

- **The display panel lights up but when START is pressed only the lamps switch on (no ventilation).**

- 1 - Check that remote control switch "RL" operates correctly. See "OLYMPIC" n° 2/10 circuit diagram.
- 2 - Check the voltage 230V ~ across terminals 2 and 5 of the timer board "MPT/3".
See "OLYMPIC" n° 9/10 circuit diagram.

- **Body cooling system inoperative or cannot be regulated.**

- 1 - Check the voltage (variable up to a maximum of 230V ~) across terminals 2 and 6 of the timer board "MPT/3".
See "OLYMPIC" n° 9/10 circuit diagram.

- **One of the high-pressure lamp does not switch on.**

- 1 - Check for voltage on the wiring to the lamp. Check the ignitor and feeder of the lamp. See "OLYMPIC" n° 2/10, 3/10 and 7/10 circuit diagrams.

WARNING: The central terminals of the igniters for the high-pressure lamps carry extremely high voltage.

- **One of the low-pressure lamp does not switch on.**

- 1 - Check for voltage on the wiring to the lamp. Check the starter and feeder of the lamp. See "OLYMPIC" n° 2/10, 3/10, 4/10, 5/10, 6/10 and 8/10 circuit diagrams.

- **The ceiling section cannot be raised or lowered.**

- 1 - Check fuses "F1" and "F2", which is located inside control cassette.
- 2 - Check that the primary of transformer "T1" carries a voltage of 230V ~, and that the secondary carries 30V ~. See "OLYMPIC" n° 2/10 circuit diagram.
- 3 - Check that the output of the diode bridge "PD" carries 30Vcc.
See "OLYMPIC" n° 2/10 circuit diagram.
- 4 - Check that circuit board "RCT", motor "M" and circuit board "MPT/3" function correctly.
See "OLYMPIC" n° 2/10 and 9/10 circuit diagrams.

- **The ceiling section cannot be raised or lowered in case of power failure.**

- 1 - Check that the standby battery "B" is charged.
- 2 - Check that circuit board "RCT" functions correctly.
- 3 - Check the voltage 24Vcc across terminals 4 and 5 of the terminal board "M2".
See "OLYMPIC" n° 2/10 and 9/10 circuit diagrams.

- **The radio does not work.**

- 1 - Check that the output of the power supply module "AL-12" carries 12Vcc.
See "OLYMPIC" n° 2/10 circuit diagram.
- 2 - Check the voltage 12Vcc across terminals 12 and 13 of the terminal board "M.LAT".
- 3 - The plugging in of jack plug of the earphones, excludes the loudspeaker functioning.
See "OLYMPIC" n° 9/10 circuit diagram.

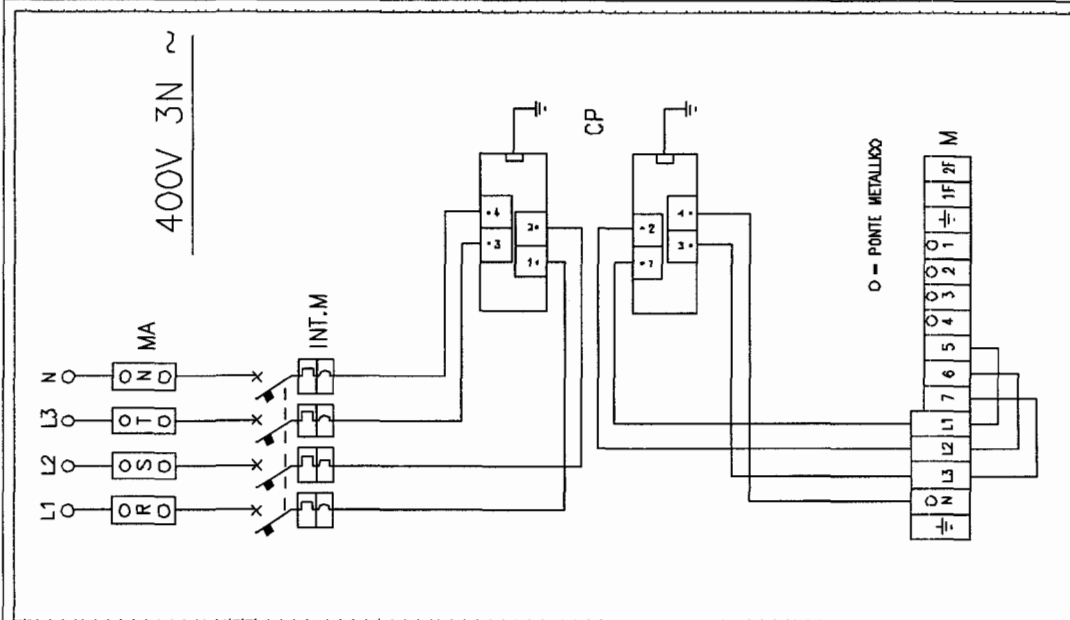
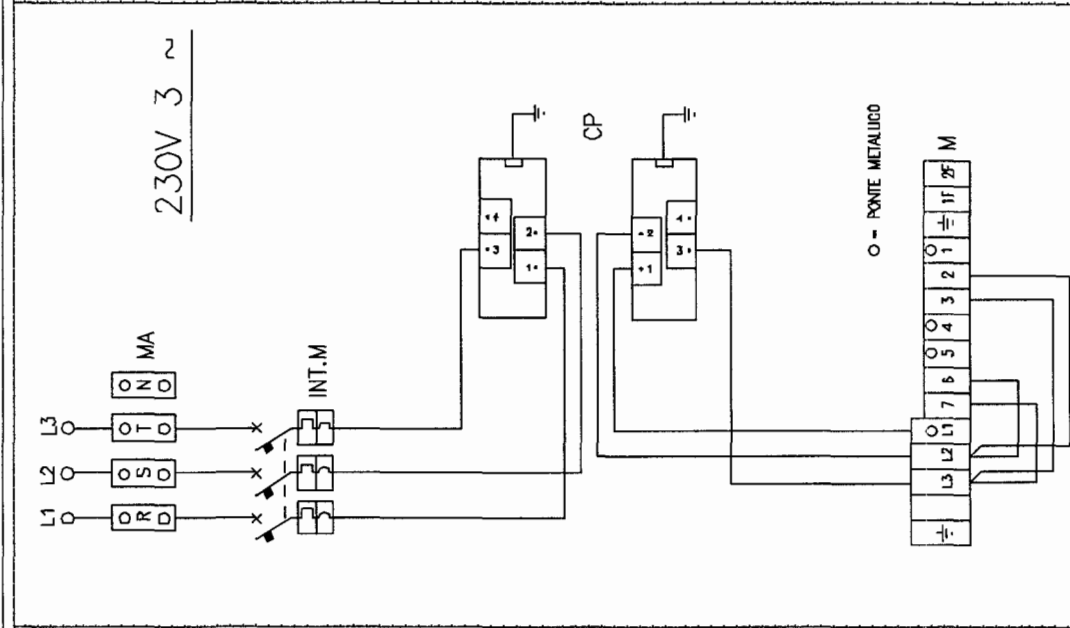
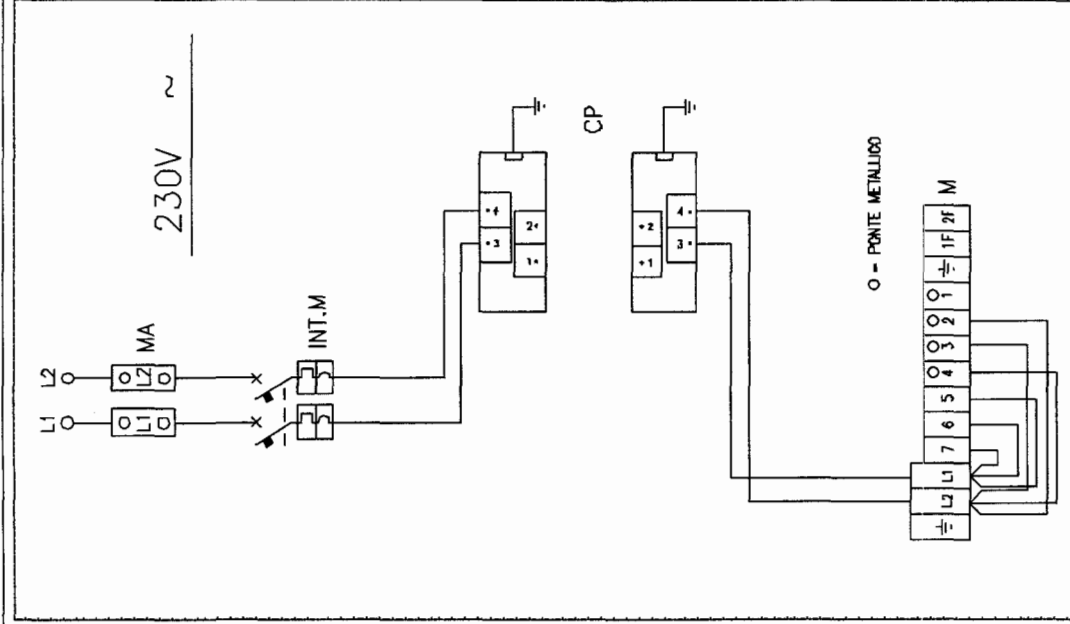
5.1 CIRCUIT DIAGRAMS LEGEND

SYMBOLS	DESCRIPTION	N° CODE
\equiv	Earth terminal	
AB1-AB22	Feeders for KALFASUN B23-S White 100W bed lamps	4028.1001.06
AC2	Igniters for KALFASUN 610 facial lamps	4028.4400.04
AC3	Igniters for KALFASUN 1510 facial lamps	4028.4400.03
RA-RB	Feeders for KALFASUN 610 facial lamps	4028.1000.02
RC-RD	Feeders for KALFASUN 1510 facial lamps	4028.1000.01
AR	Power supply circuit board for 12Vdc radio	14703.018.0.0
AT1-AT22	Feeders for KALFASUN B23-S White 140W sky lamps	4028.1001.07
BA	12Vdc accumulators	4027.3020.16
1C-2C-3C	65 μ F condenser	4028.4300.00
3C	20 μ F condenser	4028.4304.00
CB-CL-CT	5 μ F condenser	4028.4307.00
CC	3.5 μ F condenser	4028.4306.00
CC	16-pin connector control cassette - facial lamps	
CC1	16-pin connector control cassette - lateral section	
CE	32-pin connector bed feeders cassette - bed	
CE	32-pin connector sky feeders cassette - sky	
CA	6-pin connector control cassette - bed feeders cassette	
CA1	6-pin connector control cassette - sky feeders cassette	
CP	4+2-pin connector for control cassette power supply	
CN V.	3-pin connector control cassette - bed cooling fan	
CH	Contacts for selector	4028.2101.10
FV	Fuse 1A	
1F-2F	Fuses 6,3A	
h	Hour counter	4028.6000.01
HA	Contactora for facial lamps	4028.2100.04
HB	Contactora for low pressure lamps	4028.2100.06
INT.M	General magnetothermic switch	4028.2120.07
TH	Thermostat RS	4028.2140.04
L1	KALFASUN B23-S White 140W sky lamps	4028.4009.02
L2	KALFASUN 610 facial lamps	4028.4000.00
L3	KALFASUN B23-S White 100W bed lamps	4028.4009.01
L4	KALFASUN 1510 facial lamps	4028.4001.00
E	30Vdc up/down motor	4027.0010.04
MA	Power supply terminal board	
M	Control cassette terminal board	
M	Bed feeders cassette terminal board	
M	Sky feeders cassette terminal board	
mg	Terminal board for coin meter and remote control unit	

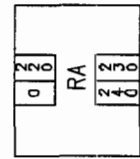
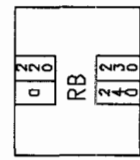
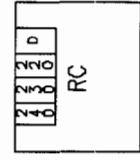
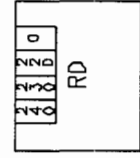
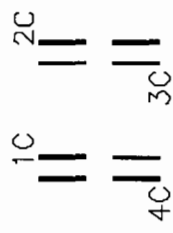
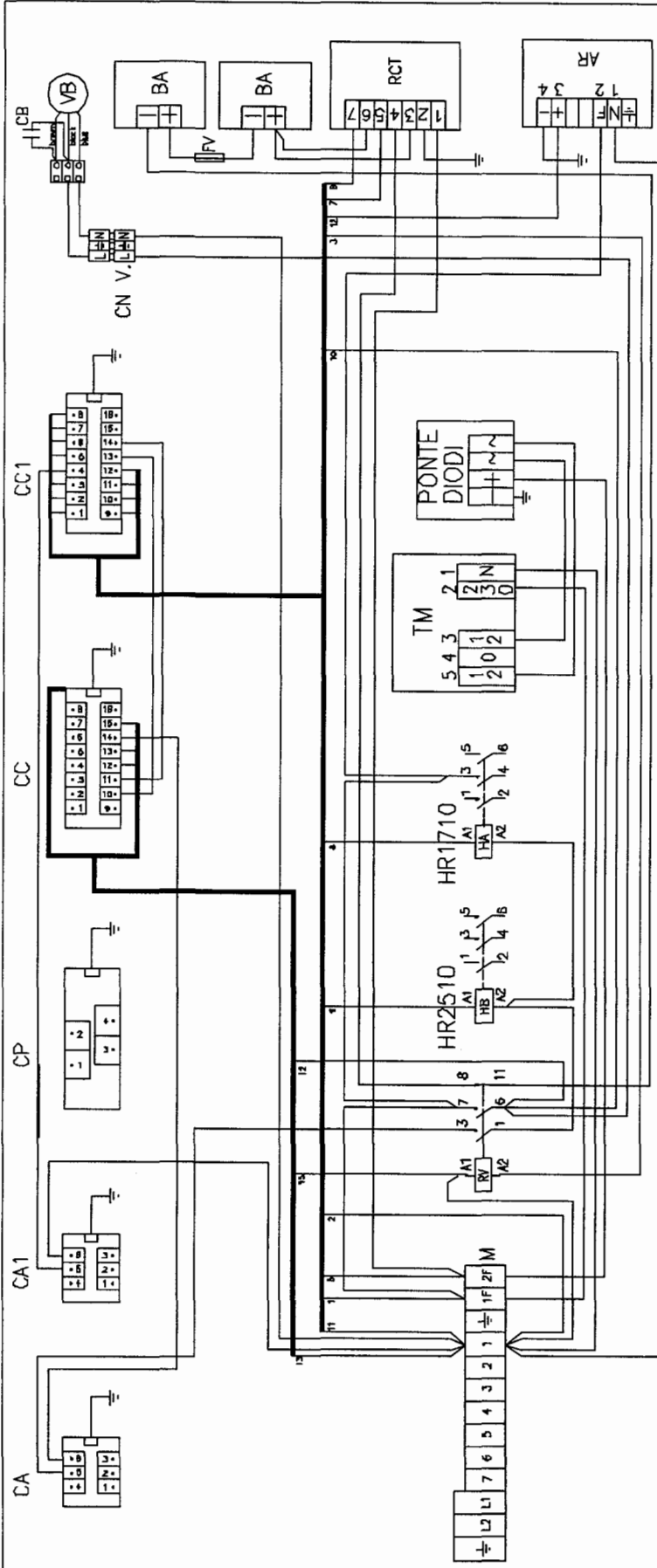
SYMBOLS	DESCRIPTION	N° CODE
M	Facial lamps terminal board	
M	Bed terminal board	
M	Lateral section terminal board	
MT	Sky terminal board	
M2	Second lateral section terminal board	
MPT 3	"MPT/3" timer circuit board	14703.003.0.0
N	Neutral terminal	
PONTE D.	Current rectifier bridge for up/down motor	4027.5010.00
RA	Autoradio	4027.3025.05
RCT	30Vdc battery-charger circuit board for automatic raising mechanism "RCT/1"	4026.0010.00
RL	Relais for coinbox control	4028.4500.03
L1-L2-L3	Power supply phases	4027.3030.01
RSP-LSP	Loudspeakers	4027.3030.00
RV	Relais for cooling fans	4028.4550.00
Ⓢ	Starters S12	4028.1010.02
TM	Power transformer for up/down motor (230/12-0-12Vac)	4028.0046.03
VB	Bed cooling fan	4028.0046.01
VC	Body cooling fan for	4028.0023.03
VI	Facial lamps cooling fan	4028.0046.03
V2	Facial lamps cooling fan	4028.0021.00
VL	Lateral air exhaust fan	
VT	Sky air exhaust fan	4028.0035.00

DESCRIPTION CIRCUIT DIAGRAMS

- 1/10 Voltage-change diagram.
- 2/10 Pratical diagram of control.
- 3/10 Pratical diagram of power.
- 4/10 Circuit diagram control box 2 ballasts bed.
- 5/10 Circuit diagram control box 1 ballasts sky.
- 6/10 Circuit diagram low-pressure lamps of ceiling.
- 7/10 Circuit diagram facial lamps.
- 8/10 Circuit diagram low-pressure lamps of bed.
- 9/10 Pratical diagram of lateral.
- 10/10 Pratical diagram of a coin box connection.

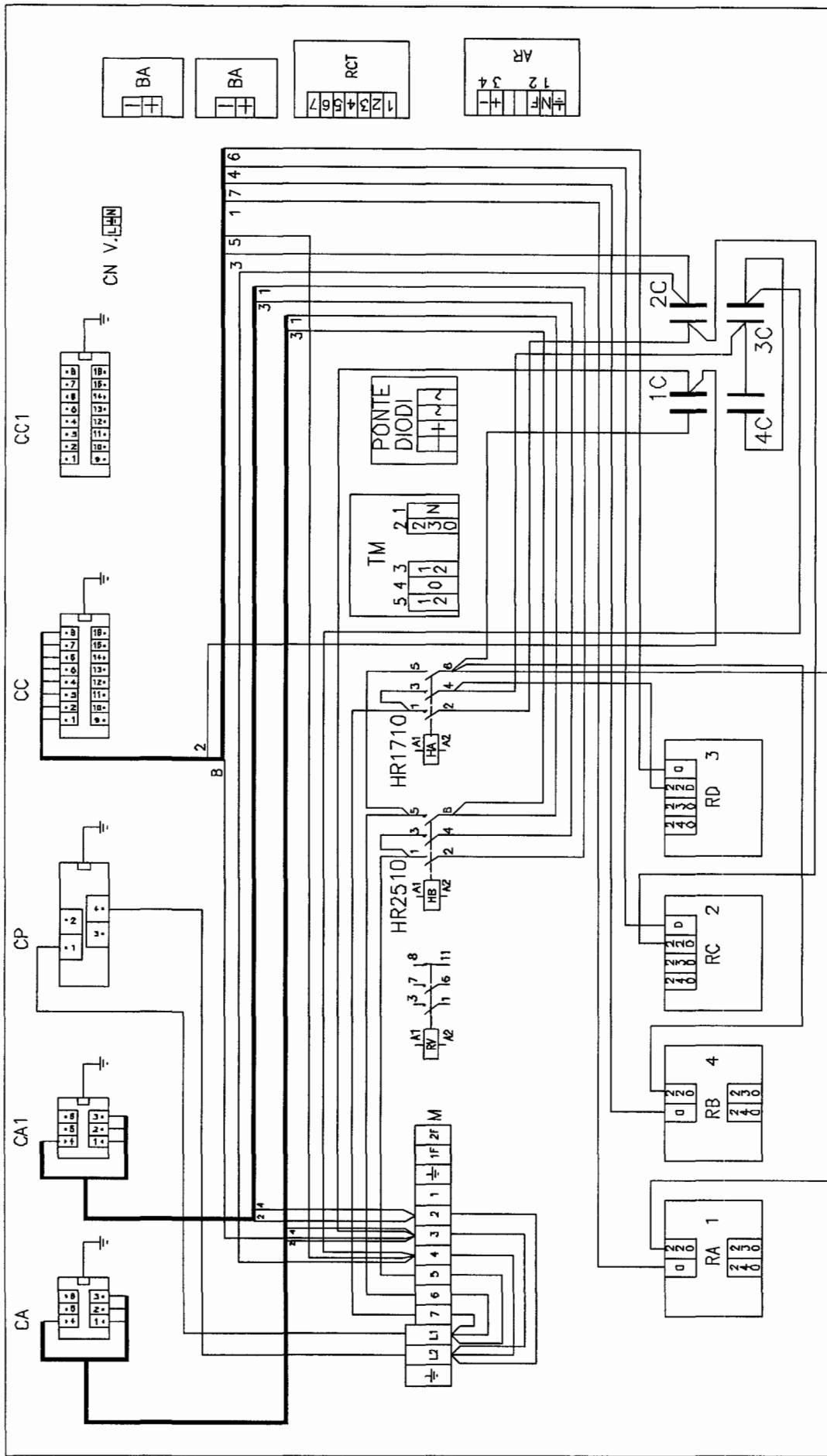


Sportarredo SpA Guaro-VE		SCHEMA CAMBIO TENSIONE DIAGRAMM FÜR SPANNUNGSWECHSELUNG VOLTAGE-CHANGE DIAGRAM SCHEMA CHANGE TENSION ESQUEMA CAMBIO TENSION	
Mod. OLYMPIC 11000		Rif. Descrizione della modifica	
Schema n°1/10 Data 15/05/00		Disegnato: B. Biazon	
Cod. app. 1.02597.010.2.0 (230V 3N 60Hz)		1	
Cod. app. 1.02598.030.1.0 (230V 60Hz)		2	
		3	
		Controllato:	

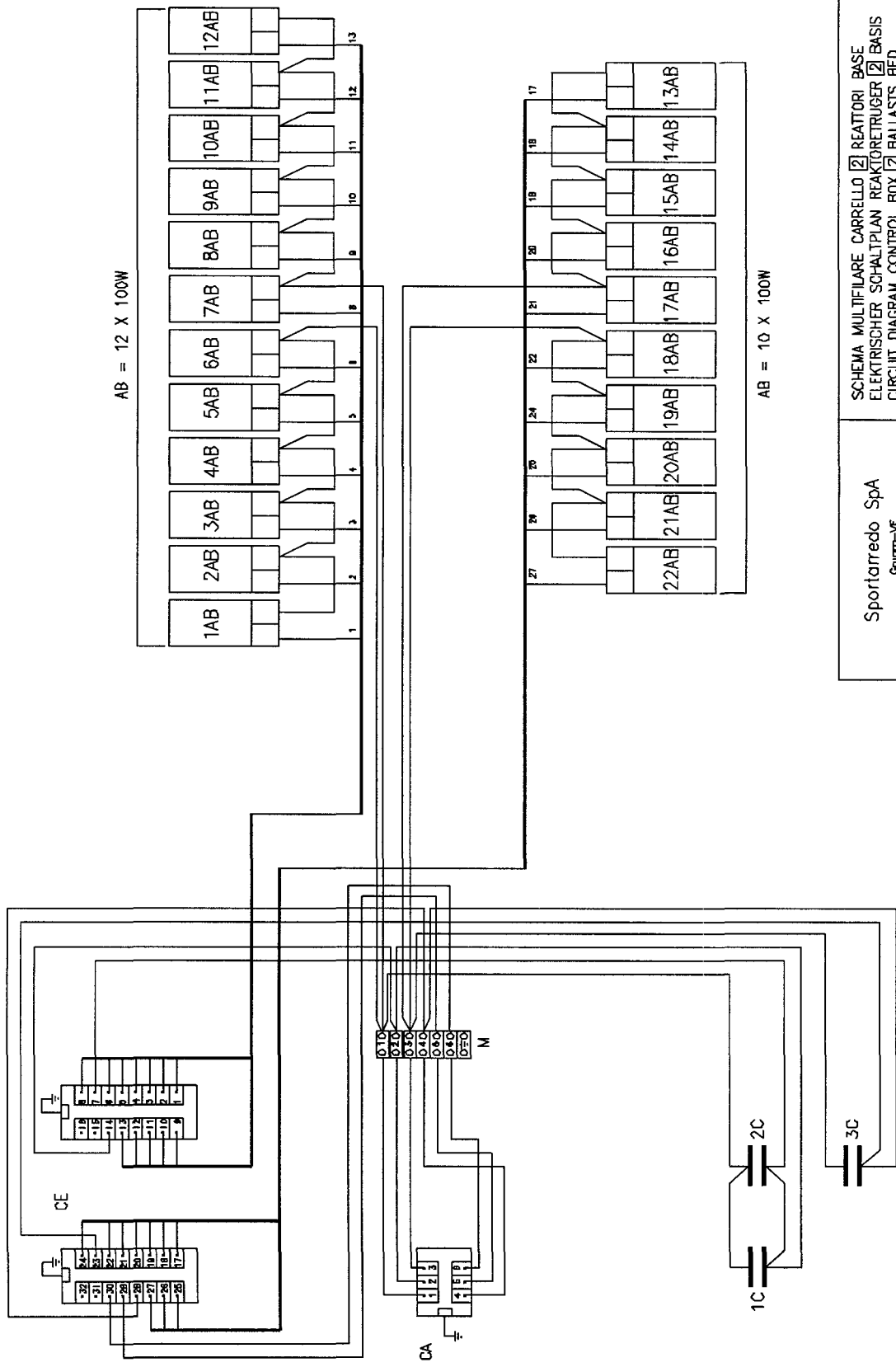


SCHEMA PRATICO DEI COMANDI
 PRAKTISCHES BEDIENUNGSDIAGRAMM
 PRACTICAL DIAGRAM OF CONTROL
 SCHEMA PRATIQUE DES COMMANDES
 ESQUEMA PRACTICO MANDOS

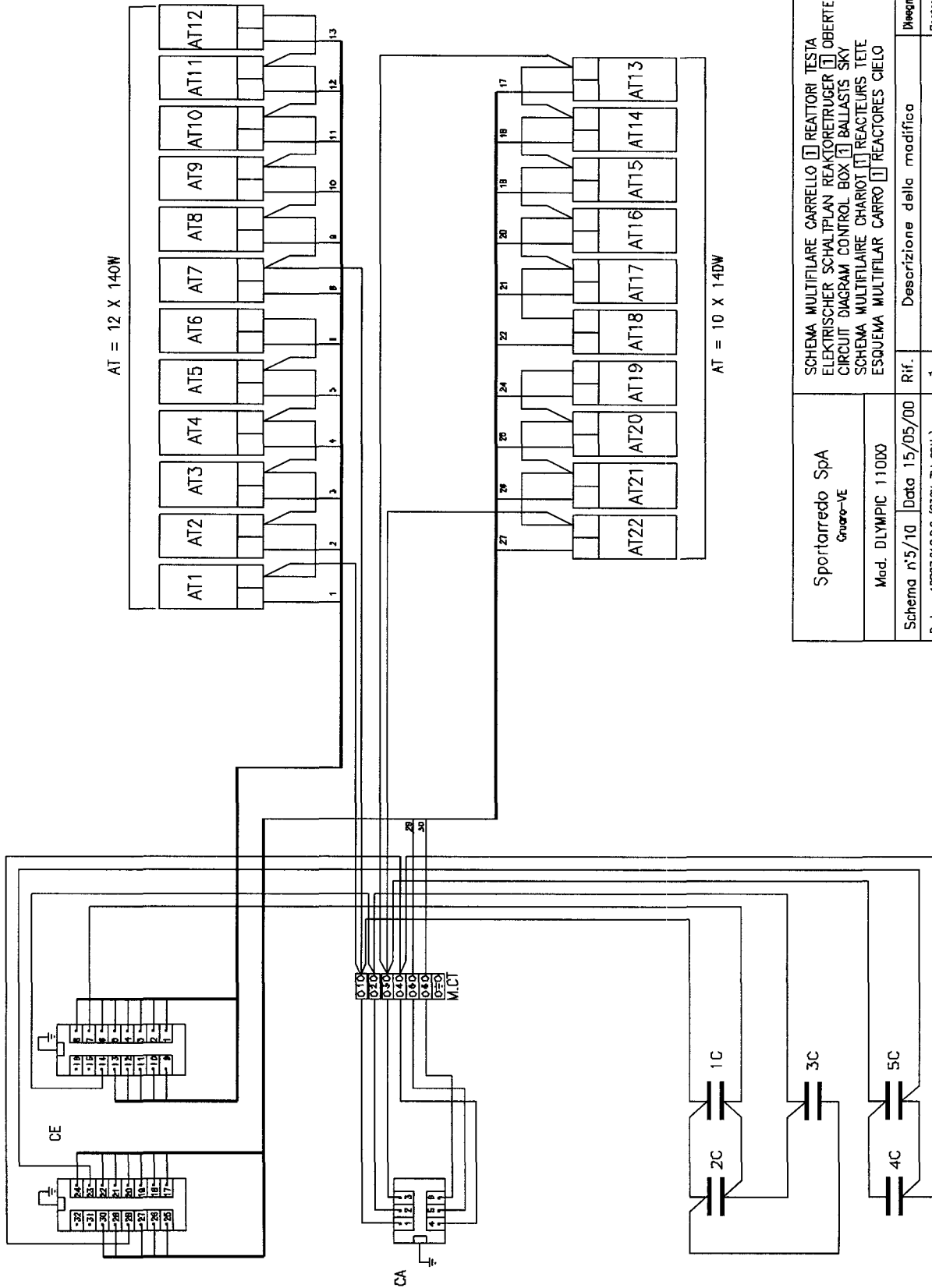
Spartarredo SpA Giurato-VE	Mod. OLYMPIC 1 1000	Rif.	Descrizione della modifica
	Schema n°2/10 Data 15/05/00	1	Diagnostico: B. Binon
	Cod. app. 10287.010.2.0 (230V 3N 60Hz)	2	Centralizzatore
	Cod. app. 10289.030.1.0 (230V 60Hz)	3	



Spartarredo SpA Gruaro - VE		SCHEMA PRATICO DI FORZA PRACTICAL DIAGRAM OF POWER SCHEMA PRATIQUE DE PUISSANCE ESQUIMA PRACTICO FUERZA PRAKTISHES LEISTUNGSDIAGRAM	
Mod. OLYMPIC 11000			
Schema n°3/10	Data 15/05/00	Rif.	Disegnato: B. Binason
Cod. app. 10297.010.2.D (230V 3N 50Hz)		1	Centralista:
Cod. app. 10298.030.1.D (230V 50Hz)		2	
		3	



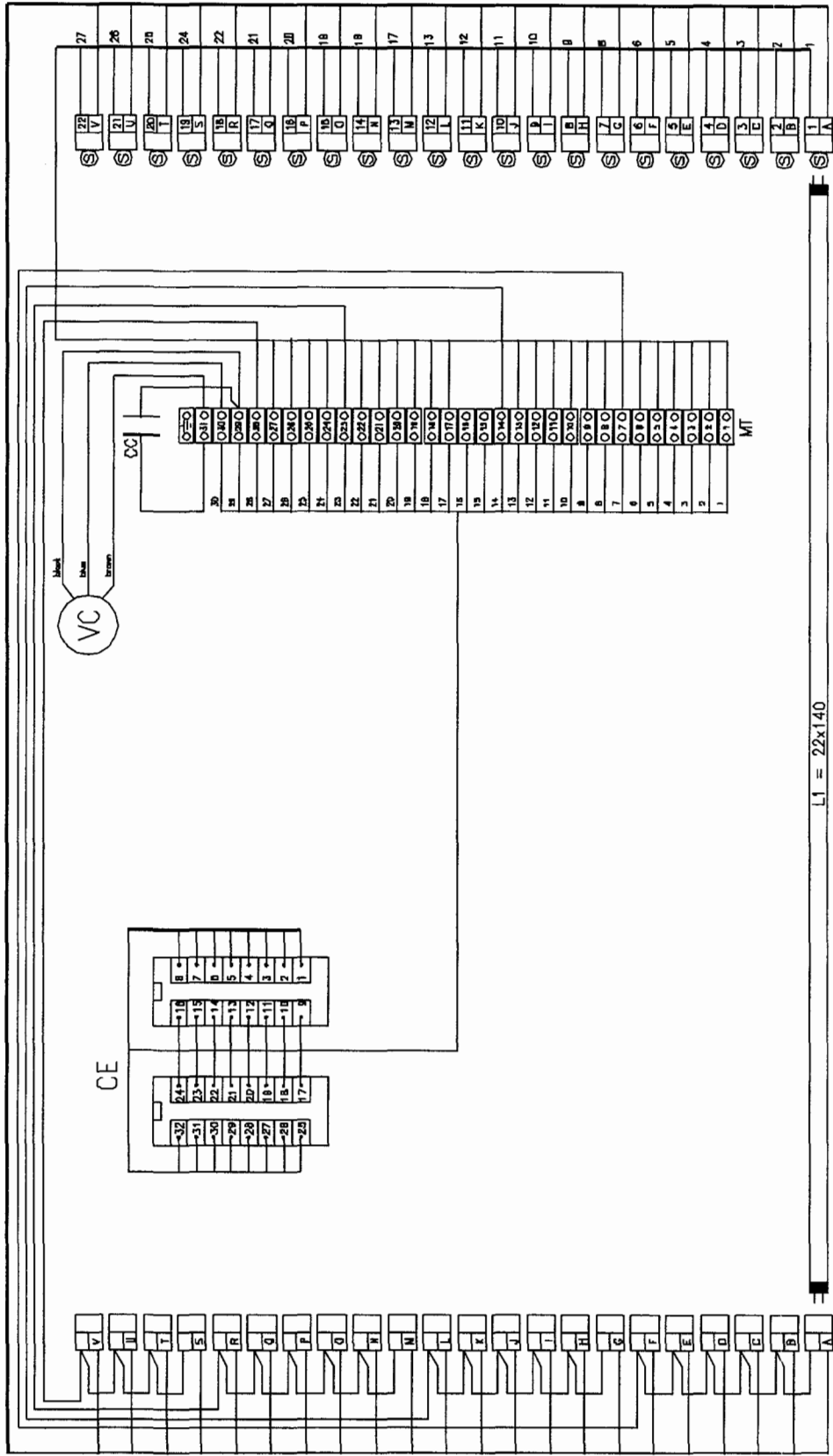
Sportarredo Spa Cruaro-VE	SCHEMA MULTIFILARE CARRELLO <input checked="" type="checkbox"/> REATTORI BASE		Diagnosi: B. Litason
	ELEKTRISCHER SCHALTPLAN REAKTORTRUGER <input checked="" type="checkbox"/> BASIS		
Mod. OLYMPIC 11000	CIRCUIT DIAGRAM CONTROL BOX <input checked="" type="checkbox"/> BALLASTS BED		Controllo:
	SCHEMA MULTIFILAIRE CHARIOT <input checked="" type="checkbox"/> REACTEURS BASE		
	ESQUEMA MULTIFILAR CARRO <input checked="" type="checkbox"/> REACTORES BASE		
Schema n°4/10	Data 15/05/00	Rif.	Descrizione della modifica
Doc. app. 10297.010.2.0 (230V 3N 60Hz)		1	
Doc. app. 10299.030.1.0 (230V 60Hz)		2	
		3	



SCHEMA MULTIFILARE CARRELLO REATTORI TESTA
 ELEKTRISCHER SCHALTPLAN REAKTORETRUGER OBERTEIL
 CIRCUIT DIAGRAM CONTROL BOX BALLASTS SKY
 SCHEMA MULTIFILAIRE CHARIOT REACTEURS TETE
 ESQUEMA MULTIFILAR CARRO REACTORES CIELO

Sportairredo SpA Gruaro-VE	Schema n°5/10	Data 15/05/00	Rif.	Designato: B. Bion
	Mod. DLYMPLIC 11000		1	Controllato:
			2	
			3	

Descrizione della modifica	
1	
2	
3	

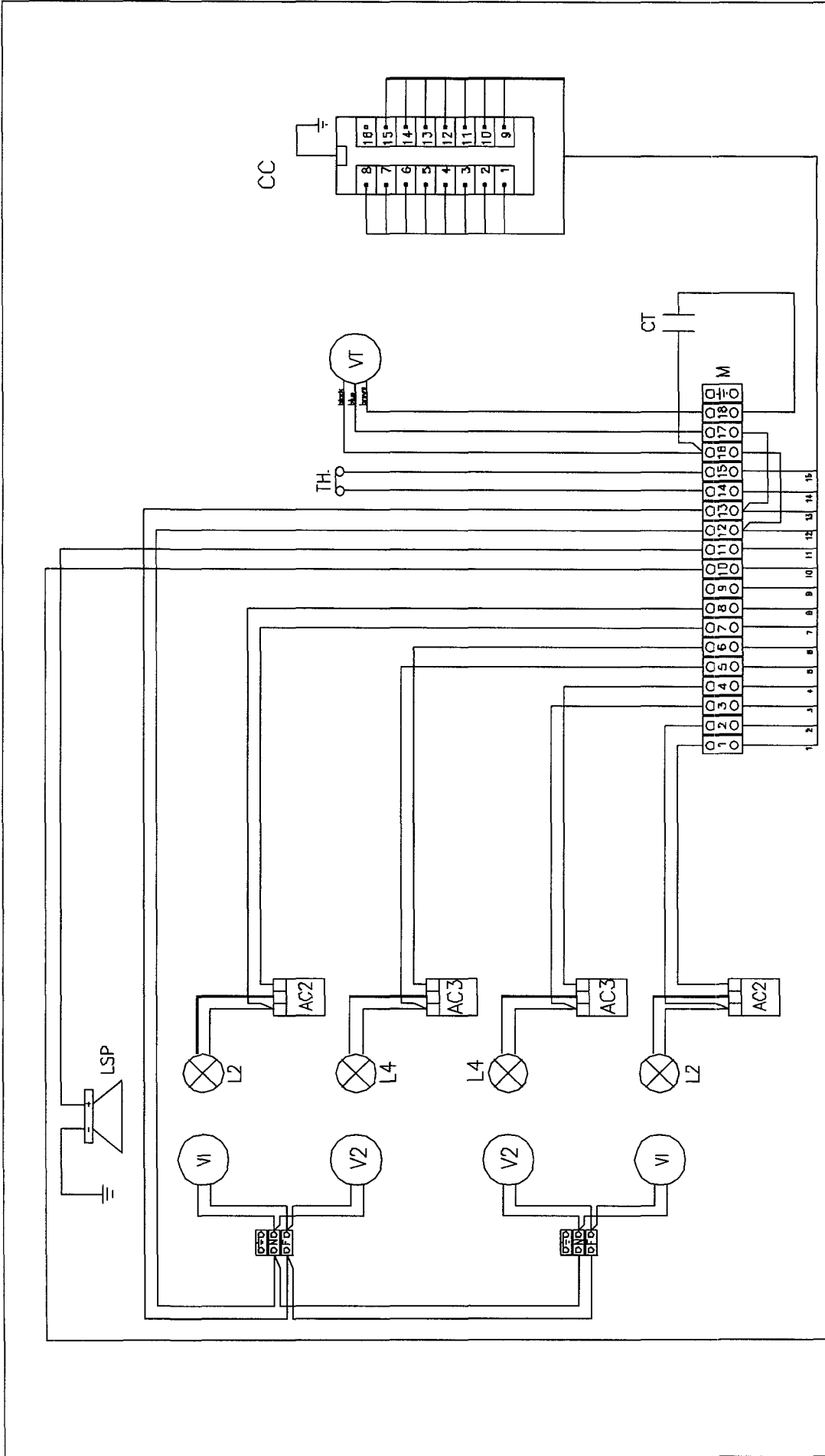


L1 = 22x140

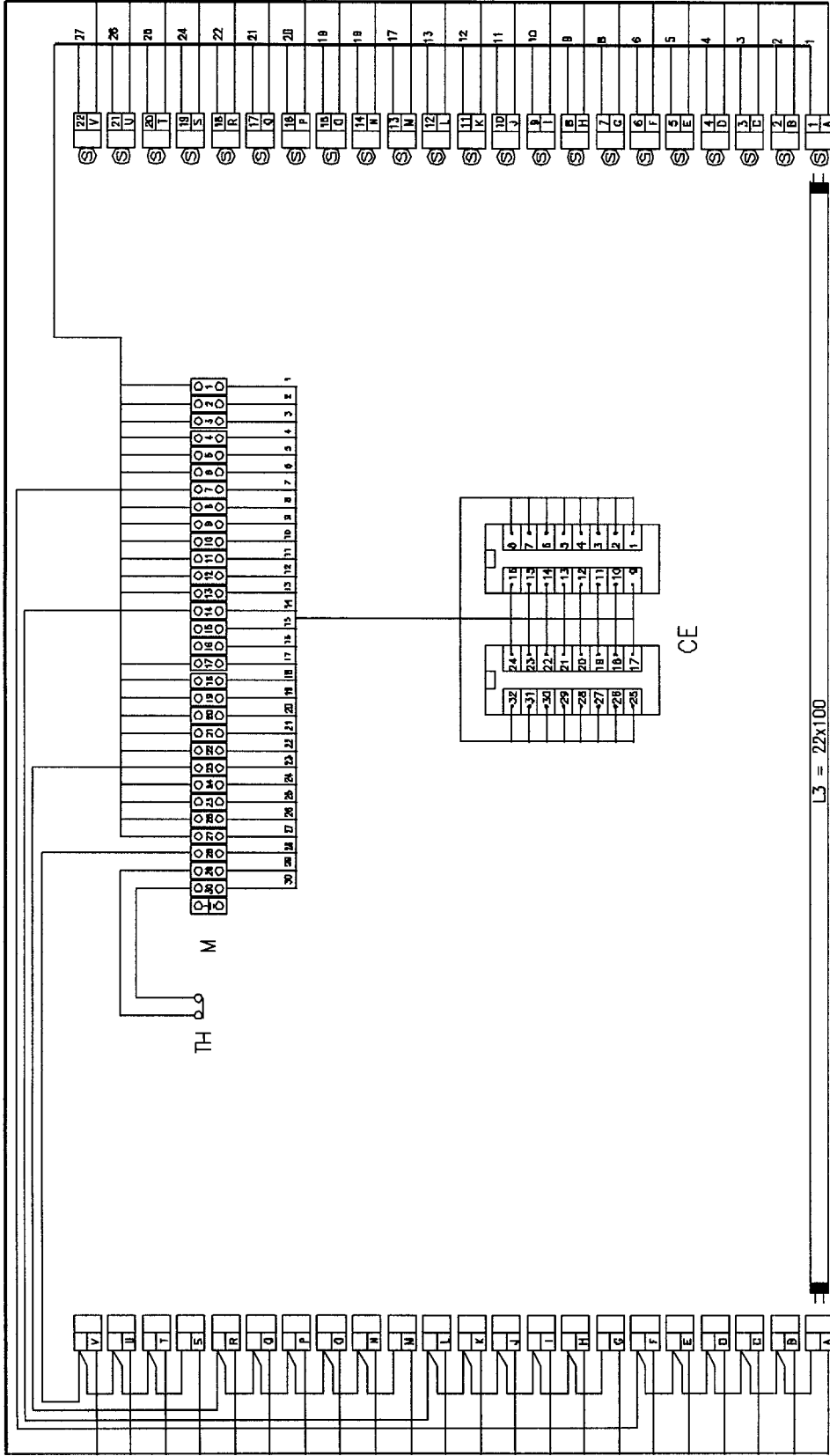
Sportarredo SpA
 Gruardo-VE
 Mod. OLYMPIC 11000

SCHEMA MULTIFILARE BASSA PRESSIONE TESTA
 ELEKTISCHER SCHALTIPLANE NIEDERDRUCKLAMPEN OBERTEIL
 CIRCUIT DIAGRAM LOW-PRESSURE LAMPS OF CEILING
 SCHEMA MULTIFILARE LAMPES BASSE PRESSION DE LA TETE
 ESQUEMA MULTIFILAR LAMPARAS BAJA PRESSION DE LA CABEZA

Rif.	Descrizione della modifica	Disegnato
1		Disegnato: B. Bianchi
2		Controlato:
3		



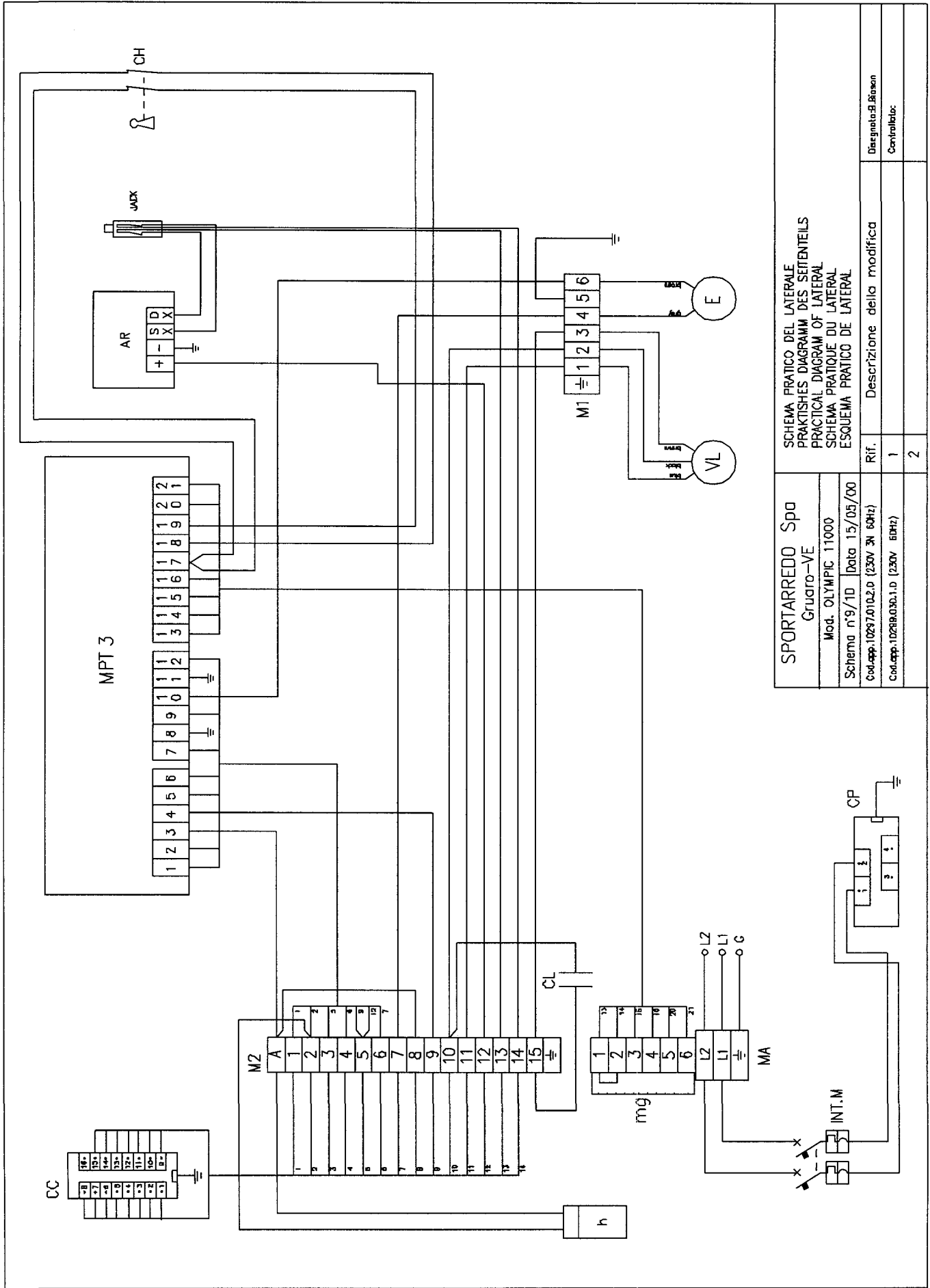
Spartarredo SpA Guaro-VE		SCHEMA MULTIFILARE INTENSIVO ELEKTRISCHER SCHALTPLAN INTENSIV CIRCUIT DIAGRAM FACIAL LAMPS SCHEMA MULTIFILARE VISAGE INTENSIF ESQUEMA MULTIFILAR INTENSIVO	
Mod. OLYMPIC 11000		Descrizione della modifica	
Schema n°7/10	Data 15/05/00	Rif.	Disegnato: B. Busan
Cod. app. 10297.D10.2.0 (230V 3N 60Hz)		1	Controllato:
Cod. app. 10298.D30.1.0 (230V 60Hz)		2	
		3	



L3 = 22x100

SCHEMA MULTIFILARE BASSA PRESSIONE LETTO
 ELEKTRISCHER SCHALTPLAN NIEDERDRUCKLAMPEN UNTERTEIL
 CIRCUIT DIAGRAM LOW-PRESSURE LAMPS OF BED
 SCHEMA MULTIFILAIRE BASSE PRESSION DU LIT
 ESQUEMA MULTIFILAR LAMPARAS BAJA PRESSION DE LA CAMA

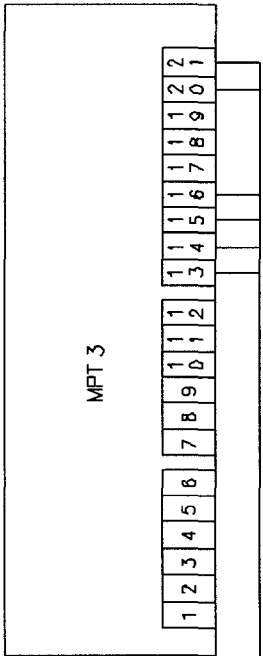
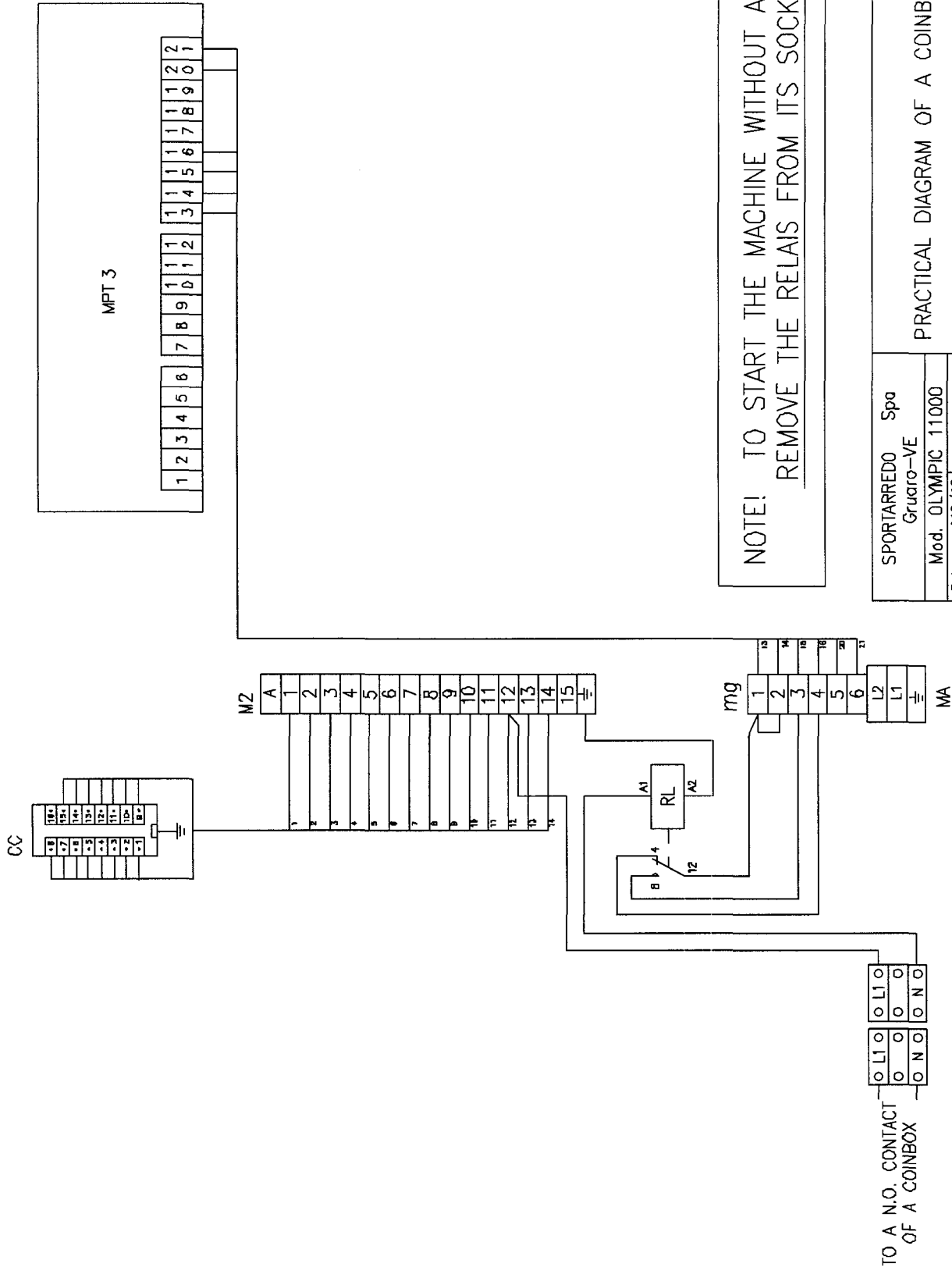
Sportarredo SpA Gruaro-VE	Rif.		Descrizione della modifica
	Schema n°8/10	Data 15/05/00	Disegnato: S. Boson
	Cod-App. 10297.010.2.0 (230V 3N 60Hz)	1	Controlista:
Mod. OLYMPIC 11000		2	
		3	



SPORTAREDDO Spa
 Gruatro-VE
 Mod. OLYMPIC 11000
 Schema n°9/10 Data 15/05/00
 Cod.app.10297.0102.0 (230V 3N 60Hz)
 Cod.app.10298.030.1.0 (230V 60Hz)

SCHEMA PRATICO DEL LATERALE
 PRACTICAL DIAGRAM DES SEITENTELS
 SCHEMA PRATIQUE DU LATERAL
 ESQUEMA PRATICO DE LATERAL

Rif.	Descrizione della modifica	Disegnato: B. Bionon
1		Controllo:
2		



NOTE! TO START THE MACHINE WITHOUT A COINBOX,
REMOVE THE RELAIS FROM ITS SOCKET

SPORTARREDO Spa Grucaro-VE		PRACTICAL DIAGRAM OF A COINBOX CONNECTION	
Mod. OLYMPIC 11000			
Schema n° 10/10 Data 15/05/00			
Cod.app. 10297.010.23 (230V 3N 60Hz)	Rif.	Descrizione della modifica	
Cod.app. 10299.030.10 (230V 60Hz)	1	Disegnato: B. Basso	
	2	Contratto:	