

INSTRUCTIONS FOR CARE AND USE

SUMMERSUN N 2400 S

Replace lamps with COSMOLUX-S-CA1-12-100W only.



Table of Contents

I	Assembly Instructions — Sun Bench	3
	<i>Operational Check</i>	4
	Assembly Instructions — Coin Operator	5
II	General Information	6
III	Warning and Cautions	7
IV	Operation Instructions	8
V	Instructions for the Tanning Sessions	8
VI	Care and Cleaning	9
VII	Relamping Instructions	10
VIII	Malfunction	11
IX	Technical Data	11
X	Wiring Schematic	12
XI	Guarantee Card	15

INTRODUCTION

Congratulations on your purchase of this technologically advanced mini solarium. It has been designed to provide years of dependable service for you. Here are some helpful suggestions for using your unit.

- Read all of the instructions in this booklet before using the unit.
- Do not cover the ventilation openings. This will cause the unit to overheat.

FDA: The Food and Drug Administration of America requires certain labeling of any sunlamp that is utilized in irradiation of the human body. These labels are affixed on all systems to educate the user for their safety. These regulations are stated in Section 21 CFR, Section 1040.20, and states that all electrical installations of products manufactured after September 8, 1986, which use sunlamps must display the following:

DANGER: Ultraviolet radiation. Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer. **WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.** Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using a sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

Minimum use distance is 1/2-inch or 1.3 centimeters.

Replace lamps with KOSMOLUX S-CA1-12-100 W only.

WARNING:

- Read the instruction booklet before using lamps.
- Operating of this device at less than the recommended minimum distance for use may result in overexposure.
- This solarium is designed for use by only one person at a time.
- One pair of protective eyewear is furnished with this equipment and should be worn by all persons in the room when lamps are on.
- Disconnect power cord before attempting to clean, relamp, or engage in the maintenance of this product.

This product is in conformity with performance standards for sun lamp products under 21 CFR part 1040.20



Our goal... your satisfaction

The recommended exposure position for this sunbed is to lie horizontally on the bench with your head at the right end (as you face the machine). The minimum recommended use distance is 1/2 inch (13 mm) from the UVA tubes which, if you lie on the acrylic properly, will ensure the correct position. **WARNING** - The use of any other position may result in overexposure.

The frequency, duration and time between exposures is dependent on your skin type. Please locate your skin type in the following chart and follow the recommended times. Then you can sunbathe again to maintain your tan. The frequency of your tanning sessions will depend on your skin type. An appearance of a tan can normally be expected after completion of the first series of sessions. **NOTE:** The maximum allowable exposure time in one session is 30 minutes.

Skin Type	Week 1 1st - 3rd Treatment	Week 2 4th - 6th Treatment	Week 3 7th - 10th Treatment	Weekly Sub- sequent Treatments
I - Fair	7 Min.	12 Min.	18 Min.	30 Min.
II - Average	7 Min.	12 Min.	18 Min.	30 Min.
IV - Brown	7 Min.	15 Min.	22 Min.	30 Min.
V - Dark Brown	7 Min.	15 Min.	22 Min.	30 Min.

Mounting of the coin operator

The necessary electrical installation and reconstruction may only be carried out by a locally certified specialized firm.

After removing the small upper cover at the bench set in the strongly marked cable suspension bridges from 1—5 and 2—3 (only for NG 2400 (F) 1—6). So the timer is shorted-out and the unit is switched-on and -out temporarily by the coin operator connected in series.

The support A has to be fixed by screw A₁ through insulating bush A₂ and insulation plate A₃ at the right or left side of the stand. So, the coin operator, fastened with 3 screws from the inside to the support A, is fixed isolated to the unit.

If you mount on the left side, roll up the connecting cable to the bench and fasten it with a cable holder to the stand.

If you mount on the right side, fix the connecting cable with the 3 adhesive straps to the upper part of the bench. So it doesn't lie on the floor.

II General Information

The sun provides warmth, light and ultraviolet rays. The three different types of UV-rays are termed UV-A, UV-B and UV-C rays. The long-wave UV-A rays are gentle to the skin and tan the pigment. It is the rays of the UV-B range which first trigger the formation of pigment but they also cause sunburn. The UV-C rays don't penetrate the earth's atmosphere. If most of the UV-B rays are filtered out, then sunburn will not occur but, on the other hand, no melanine will form. Melanine is the substance in the cells on the surface of the skin which changes into pigment. This pigment then darkens in mild UV-A light and tanned skin is the result.

Thus the UV-A light of the sun, which is pure and gentle, tans very slowly. However, in radiation intensities higher than that of the sun, the UV-A light, by means of direct pigmentation, is able to tan the pigments already present in the skin.

III Warning and Cautions

Certain drugs — particularly those designed to produce photosensitivity — may cause individuals under the influence of this type of drug to experience adverse effects and those people should avoid exposure to UV sources of all kinds. Doctors will advise persons taking these drugs of possible adverse effects.

WARNING

If you have been diagnosed by a physician as being allergic to the sun or are currently taking photosensitive medications, consult your physician before using the Dometic/DR. KERN Sun System.

Use ONLY in fixture equipped with a timer.

Dometic/DR. KERN recommends that only one person at a time should use the Sun System while in use, and advises using protective eyewear while taking a tanning session. Dometic/DR. KERN provides one pair of goggles with each appliance sold.

Occasionally, persons using the Sun System will experience a slight reddening of the skin — usually in small patches — after the second or third session. This redness is often accompanied by an itching sensation. This is nothing more than a heat "rash" caused by heat from the lamps within the system. It is generally very limited and caused by constant contact of the skin with the acrylic surface. It will GO AWAY within approximately 24 hours and should not re-appear. This rashing can be lessened or prevented by turning over occasionally during sessions on the Sun System, and by applying moisturizer lotion to the affected area after the tanning session is completed.

Don't use the instrument in bathrooms, wet rooms or in the vicinity of a swimming pool. Don't switch the instrument on in areas where there is a danger of explosion.

Don't cover up the instrument — especially not the ventilating slots. Remove combustible articles from the area of radiation.

Don't expose articles which also fade or which be damaged by natural sunlight to the UV-A light of the instrument.

Don't apply any sun protection creme. The skin should be clean and free of make-up.

After the tanning session, apply a moisturizer to the skin to protect it from drying.

Never allow children to sun-bathe without supervision!

CAUTION

While there is no immediate clinical evidence regarding UV-A exposure and its effects upon EXPECTANT MOTHERS, it is strongly advised that expectant mothers be discouraged from using the DR. KERN Sun System!

IV Operating Instructions

The timer knob is the only operating element of the unit. Set the desired tanning time of max. 30 minutes by this knob and the lamps start working.

In case of a token box the timer is cut out in accordance with the mounting instruction. In order to start the unit insert a coin into the token box.

Attention:

Since your Sun System will cast off some heat, it is recommended that a small fan be used to improve air circulation during sessions. Likewise, adequate VENTILATION of the room or booth housing the Sun System is required for comfortable operation.

V Instructions for the Tanning Sessions

The human skin's reaction to natural sunlight varies depending on the skin type. Its reaction to the tanning process with the Dometic/DR. KERN Sun Systems varies to the same extent. You should therefore attempt to find the appropriate exposure time which is suitable for your skin.

PREPARE YOUR SKIN BEFORE YOU TAN

Your skin should be free of tanning oils or other body lotions prior to tanning except for those specifically made for use with tanning devices. Medications or cosmetics applied to your skin may increase your sensitivity to ultraviolet light. Consult a physician before using this tanning unit if taking any medication or if you believe yourself especially sensitive to sunlight. Do not remove natural body oils by bathing immediately before tanning. As with all electrical appliances, do not operate this device near water or while you are wet.

USE PROTECTIVE EYEWEAR WHEN YOU TAN

The eye goggles provided with the unit must be used whenever the unit is operating. Use only these goggles! Regular sunglasses do not adequately protect your eyes from ultraviolet light. Anyone else in the room while the unit is in operation should also wear protective eye goggles.

The recommended exposure position for this sunbed is to lie horizontally on the bench with your head at the right end (as you face the machine.) The minimum recommended use distance is 1/2 inch (13 mm) from the UVA bulbs which, if you lie on the acrylic properly, will ensure the correct position. **WARNING** – The use of any other position may result in overexposure.

The frequency, duration and time between exposures is dependent on your skin type. Please locate your skin type in the following chart and follow the recommended times. Then you can sunbathe again to maintain your tan. The frequency of your tanning sessions will depend on your skin type. An appearance of a tan can normally be expected after completion of the first series of sessions. **NOTE:** The maximum allowable exposure time in one session is 30 minutes.

Skin Type	Week 1 1st – 3rd Treatment	Week 2 4th – 6th Treatment	Week 3 7th – 10th Treatment	Weekly Sub- sequent Treatments
II-Fair	7 Min.	12 Min.	18 Min.	30 Min.
III – Average	7 Min.	12 Min.	18 Min.	30 Min.
IV – Brown	7 Min.	15 Min.	22 Min.	30 Min.
V – Dark Brown	7 Min.	15 Min.	22 Min.	30 Min.

VI Care and Cleaning

After each session is completed, spray the acrylic surface with solar specially formulated UVT (ultra-violet transmitting) acrylic cleaner. Wipe the surface of the acrylic with a clean cloth. The acrylic should never be wiped with a dry cloth because this will generate a slight static charge which will attract dust.

A mild liquid of luke-warm water with a bit of liquid detergent (dishwashing detergent) can be used in place of SOLAR SEPT.

CAUTION: Do not use excessive amounts of water, any abrasive cleaners, or any spray cleaners that carry label warnings regarding reactions to contact with skin! **DO NOT USE ALCOHOL!**

ELECTRICAL SAFETY: The Sun Bench of the overhead unit should be disconnected from the power supply before cleaning or disinfecting the inside of the acrylic. Avoid water or solution entering the lamp compartment.

Care and Maintenance

Please note! Check out whether the fans work. The ventilation grills must be free. It is advisable to dust them occasionally.

The full effectiveness of the UVA radiation is also dependent on how clean the reflectors are. Dust them regularly. This also holds true for the cleaning of the inner section of the acrylic glass plates.

We recommend that you sign a maintenance contract with our customer service.

Contact: United States

DOMETIC Sales Corp.
2320 Industrial Parkway
P.O. Box 490
Elkhart, Indiana 46515 USA

phone: (219) 294-2511
tix: TWX 810-294-2257

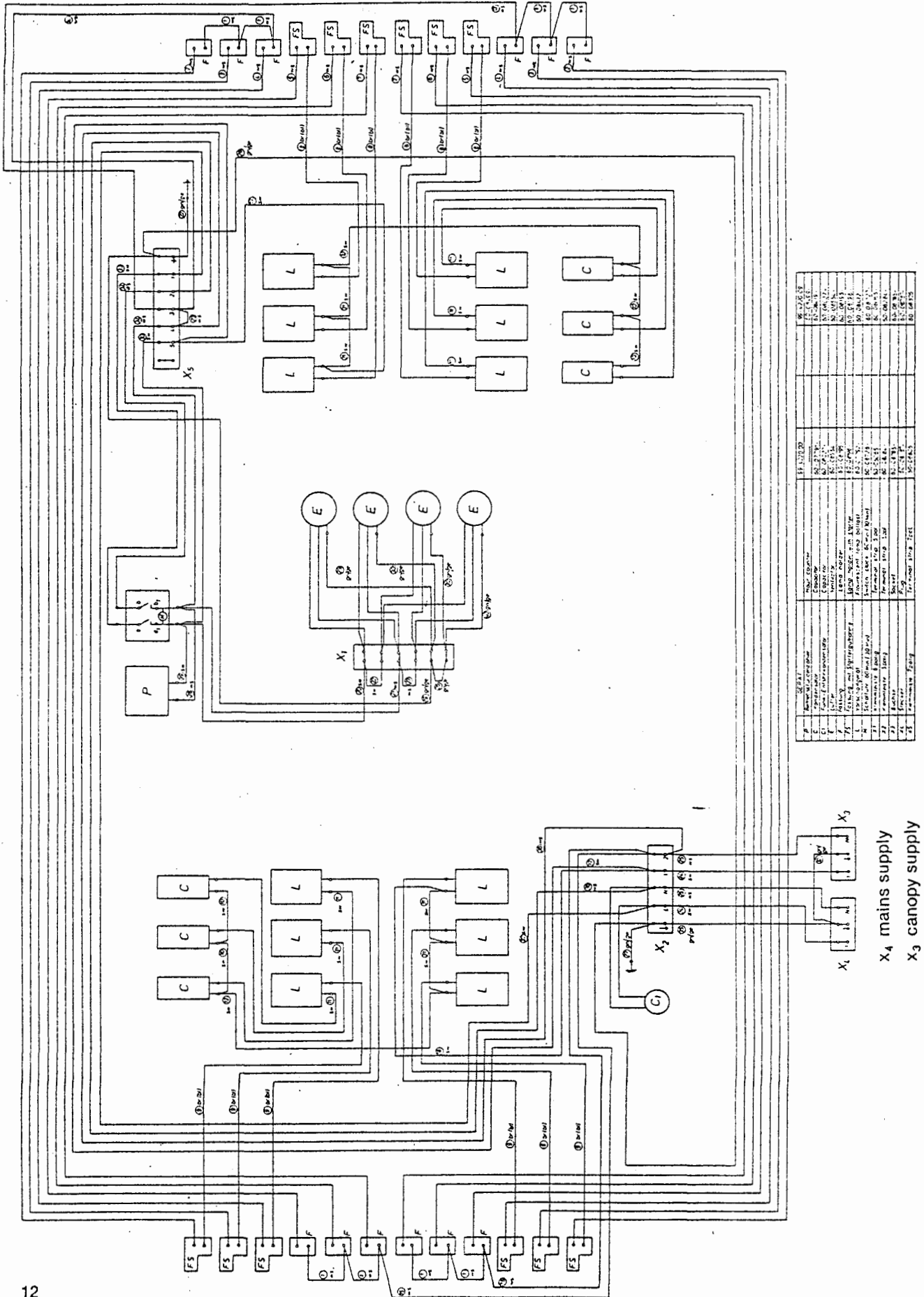
Canada

DOMETIC Distribution Inc.
866 Langs Drive
Cambridge, Ontario
N3H 2N7 Canada

phone: (519) 653-4390

IX Wiring Schematic

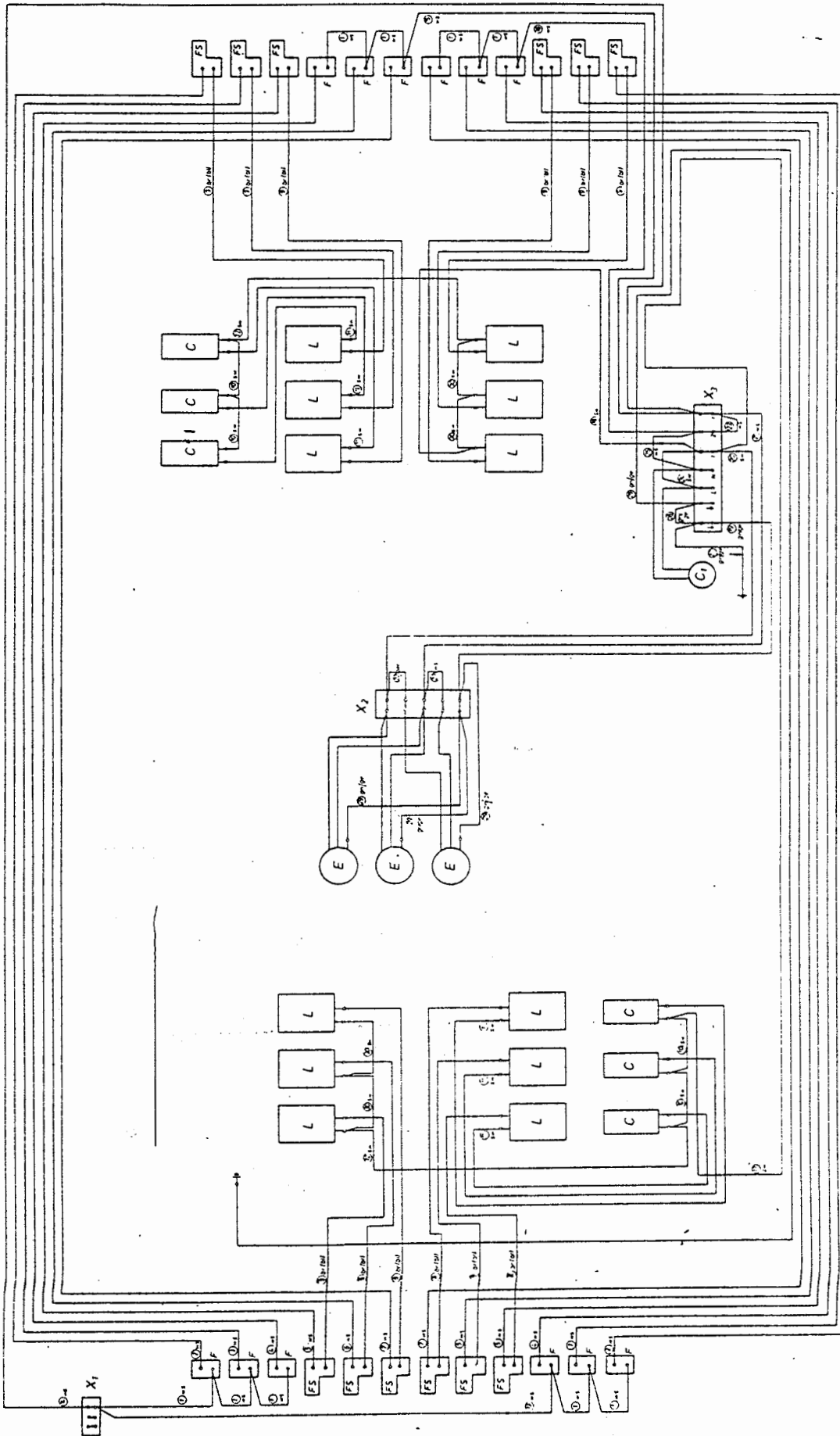
Sun Bench SUMMERSUN N 2400 S



REF.	DESCRIPTION	QTY	REF.	DESCRIPTION	QTY
1	Power Source	1	1	Emergency Light	4
2	Control Unit	1	2	Terminal Block	1
3	Terminal Block	1	3	Terminal Block	1
4	Terminal Block	1	4	Terminal Block	1
5	Terminal Block	1	5	Terminal Block	1
6	Terminal Block	1	6	Terminal Block	1
7	Terminal Block	1	7	Terminal Block	1
8	Terminal Block	1	8	Terminal Block	1
9	Terminal Block	1	9	Terminal Block	1
10	Terminal Block	1	10	Terminal Block	1
11	Terminal Block	1	11	Terminal Block	1
12	Terminal Block	1	12	Terminal Block	1
13	Terminal Block	1	13	Terminal Block	1
14	Terminal Block	1	14	Terminal Block	1
15	Terminal Block	1	15	Terminal Block	1
16	Terminal Block	1	16	Terminal Block	1
17	Terminal Block	1	17	Terminal Block	1
18	Terminal Block	1	18	Terminal Block	1
19	Terminal Block	1	19	Terminal Block	1
20	Terminal Block	1	20	Terminal Block	1
21	Terminal Block	1	21	Terminal Block	1
22	Terminal Block	1	22	Terminal Block	1
23	Terminal Block	1	23	Terminal Block	1
24	Terminal Block	1	24	Terminal Block	1
25	Terminal Block	1	25	Terminal Block	1
26	Terminal Block	1	26	Terminal Block	1
27	Terminal Block	1	27	Terminal Block	1
28	Terminal Block	1	28	Terminal Block	1
29	Terminal Block	1	29	Terminal Block	1
30	Terminal Block	1	30	Terminal Block	1
31	Terminal Block	1	31	Terminal Block	1
32	Terminal Block	1	32	Terminal Block	1
33	Terminal Block	1	33	Terminal Block	1
34	Terminal Block	1	34	Terminal Block	1
35	Terminal Block	1	35	Terminal Block	1
36	Terminal Block	1	36	Terminal Block	1
37	Terminal Block	1	37	Terminal Block	1
38	Terminal Block	1	38	Terminal Block	1
39	Terminal Block	1	39	Terminal Block	1
40	Terminal Block	1	40	Terminal Block	1
41	Terminal Block	1	41	Terminal Block	1
42	Terminal Block	1	42	Terminal Block	1
43	Terminal Block	1	43	Terminal Block	1
44	Terminal Block	1	44	Terminal Block	1
45	Terminal Block	1	45	Terminal Block	1
46	Terminal Block	1	46	Terminal Block	1
47	Terminal Block	1	47	Terminal Block	1
48	Terminal Block	1	48	Terminal Block	1
49	Terminal Block	1	49	Terminal Block	1
50	Terminal Block	1	50	Terminal Block	1
51	Terminal Block	1	51	Terminal Block	1
52	Terminal Block	1	52	Terminal Block	1
53	Terminal Block	1	53	Terminal Block	1
54	Terminal Block	1	54	Terminal Block	1
55	Terminal Block	1	55	Terminal Block	1
56	Terminal Block	1	56	Terminal Block	1
57	Terminal Block	1	57	Terminal Block	1
58	Terminal Block	1	58	Terminal Block	1
59	Terminal Block	1	59	Terminal Block	1
60	Terminal Block	1	60	Terminal Block	1
61	Terminal Block	1	61	Terminal Block	1
62	Terminal Block	1	62	Terminal Block	1
63	Terminal Block	1	63	Terminal Block	1
64	Terminal Block	1	64	Terminal Block	1
65	Terminal Block	1	65	Terminal Block	1
66	Terminal Block	1	66	Terminal Block	1
67	Terminal Block	1	67	Terminal Block	1
68	Terminal Block	1	68	Terminal Block	1
69	Terminal Block	1	69	Terminal Block	1
70	Terminal Block	1	70	Terminal Block	1
71	Terminal Block	1	71	Terminal Block	1
72	Terminal Block	1	72	Terminal Block	1
73	Terminal Block	1	73	Terminal Block	1
74	Terminal Block	1	74	Terminal Block	1
75	Terminal Block	1	75	Terminal Block	1
76	Terminal Block	1	76	Terminal Block	1
77	Terminal Block	1	77	Terminal Block	1
78	Terminal Block	1	78	Terminal Block	1
79	Terminal Block	1	79	Terminal Block	1
80	Terminal Block	1	80	Terminal Block	1

X4 mains supply
X3 canopy supply

Folding Canopy SUMMERSUN N 2400 S



Symbol	Description	Quantity	Part No.
C	Control Switch	1	11-1100
L	Lamp	3	11-1101
FS	Fuse	1	11-1102
X1	Main Supply	1	11-1103
X2	Control Switch	1	11-1104
X3	Control Switch	1	11-1105
E	Emergency Light	3	11-1106
F	Fuse	1	11-1107
G	Ground	1	11-1108
H	Headlight	1	11-1109
I	Indicator Light	1	11-1110
J	Jack	1	11-1111
K	Key	1	11-1112
L	Lamp	3	11-1113
M	Magnet	1	11-1114
N	Noise	1	11-1115
O	Oil	1	11-1116
P	Pump	1	11-1117
Q	Quartz	1	11-1118
R	Resistor	1	11-1119
S	Switch	1	11-1120
T	Terminal	1	11-1121
U	Unit	1	11-1122
V	Valve	1	11-1123
W	Washer	1	11-1124
X	Wire	1	11-1125
Y	Yoke	1	11-1126
Z	Zener	1	11-1127

Coin Operator

