

SERVICE MANUAL

This Service Manual covers the following US-models:

MULTI DECK 25 HOT MERCHANDISER
MULTI DECK 40 HOT MERCHANDISER
CLASSIC DECK 25 HOT MERCHANDISER
CLASSIC DECK 25 COLD MERCHANDISER



Model Multi Deck 25



Model Multi Deck 40



Model Classic Deck 25 Hot



Model Classic Deck 25 Cold

- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended a training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

Reproduction or other use of this Manual, without the express written consent of Fri-Jado, is prohibited.

EMPTY PAGE

INDEX

Index	3
General technical data	4
Technical Data U.S. Standard Models.....	4
Removal and replacement of parts	5
Panels bottom side (Multi Deck 25/40).....	5
Panels bottom side (Classic Deck)	5
Back panel on bottom side (Classic Deck)	6
Cover plate on field wiring box.....	6
Illumination/tumble switch.....	6
Electronic ballast.....	7
Roller blind.....	7
Back panels.....	8
Thermostat (Eliwell)	8
Sensor Eliwell thermostat.....	9
Blower air curtain	10
Blower shelf heating	10
Heating element	11
Safety thermostat (reset)	12
Transformer/relay	12
Replacing side glass.....	13
Electrical tests and service procedures	15
Heating element test	15
Adjusting Eliwell IC 902/H NTC thermostat (MD/CLD Hot).....	15
Adjusting Eliwell thermostat (continued).....	16
Adjusting Eliwell thermostat (continued).....	17
Adjusting Johnson thermostat (CLD Cold)	18
Adjusting Johnson thermostat (continued)	19
Control locations Hot models	20
Control locations Cold model.....	20
General troubleshooting list	21
Exploded views & Partlists	24
Circuit Diagrams	31

GENERAL TECHNICAL DATA

This manual covers the Multi Deck 25 Hot, the Multi Deck 40 Hot and the Classic Deck Hot and Cold series merchandiser cabinets. The cabinets come in two sizes, 25 and 40 inches.

- Multi Deck 25 Hot - Merchandiser 25 Inches wide.
- Multi Deck 40 Hot - Merchandiser 40 Inches wide.
- Classic Deck Hot – Merchandiser 25 Inches wide.
- Classic Deck Cold – Merchandiser 25 Inches wide.

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

TECHNICAL DATA U.S. STANDARD MODELS

Type	MD 25 Hot	MD 40 Hot	Classic Deck Hot	Classic Deck Cold
Power (W)	3200	3700	3200	1380
Fuses needed with power connection 208V, 1N~60Hz (1 phase with zero)	1x 20 A	1x 20 A	1x 20 A	-
Fuses needed with power connection 115V, 1N~60Hz (1 phase with zero)	-	-	-	1x 20 A
Standard plug from factory	NEMA 6-20P 	NEMA 6-30P 	NEMA 6-20P 	NEMA 5-20P 
Net weight	551 lbs	683 lbs	551 lbs	408 lbs
Gross weight	716 lbs	858 lbs	716 lbs	574 lbs
Height (mm)	75 5/16"	75 5/16"	75 5/16"	75 5/16"
Width (mm)	24 3/8"	39 3/8"	24 3/8"	24 7/8"
Depth (mm)	37 5/16"	37 5/16"	40 3/4"	37 5/16"

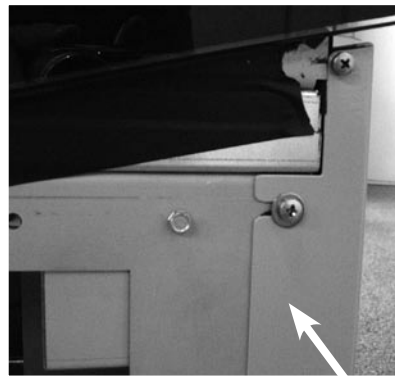
Tools

- Standard set of tools.
- Metric wrenches, sockets and hex socket key wrenches.
- VOM with AC current tester (any VOM with a sensitivity of min 20,000 ohms per volt can be used).
- Insulation value tester (Megger)
- Temperature tester.

REMOVAL AND REPLACEMENT OF PARTS

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

PANELS BOTTOM SIDE (MULTI DECK 25/40)



1. Remove panel on the front side by lifting it up with a screwdriver.
2. Slide the side panels backwards and remove these panels.
3. Loosen the screws from the back panel and lift this panel out.
4. Reverse the procedure to install.

PANELS BOTTOM SIDE (CLASSIC DECK)



1. Slide stainless steel bottom panel towards yourself and remove this.
2. Loosen the screws on the backside for the side panels and remove both panels.
3. Remove the screws from the front panel and remove the panel.
4. Reverse the procedure to install.



BACK PANEL ON BOTTOM SIDE (CLASSIC DECK)



1. Remove the panels on bottom side according prior procedure.
2. Loosen the screws that secure the back panel and remove this panel.

COVER PLATE ON FIELD WIRING BOX



1. Remove all panels on the bottom side and the back panel on bottom side according prior procedures.
2. Remove the screws that secure the box and remove the cover plate.
3. Reverse procedure to install.

ILLUMINATION/TUMBLE SWITCH



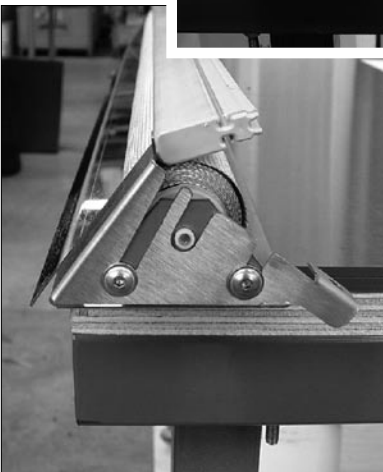
1. Remove the socket screws on the top side and turn light fixture towards yourself.
2. Replace lamp.
3. Remove wiring from switch and remove the switch by pushing the clamps on both sides.
4. Reverse the procedure to install.

ELECTRONIC BALLAST



1. Remove the screws on the top side and remove cover panel.
2. Remove the nuts on the ballast and remove the wiring.
3. Reverse the procedure to install.

ROLLER BLIND



1. Remove the 2 socket screws and 3 screws on the inside and remove the roller blind.
2. Place roller blind on a table and secure this with a clamp.
3. Loosen the socket screws and slide the blind upwards. Release the tension on the blind by turning it anti clockwise until the tension is low.
4. Place the new blind with the pin in the holder. Put tension on the blind by turning this clockwise for 10 rotations.
5. Replace mounting plate and bearing on the new blind.
6. Reverse the procedure to install.

BACK PANELS



1. Remove the screws that secure the back panel and remove this panel.
2. Remove the insulation.
3. Remove the screws that secure the cover panel and remove this panel.
4. Reverse the procedure to install.

THERMOSTAT (ELIWELL)



1. Remove the honeycomb profile.
2. Remove the socket screws that secure the fastening plate and remove the fastening plate.
3. Loosen the blocking clips on the sides of the thermostat and remove thermostat from housing.
4. Remove the wiring from the thermostat.
5. Reverse the procedure to install.

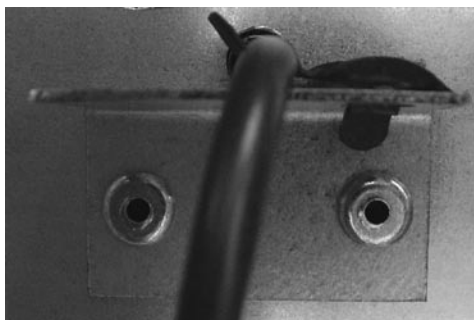


Note: When changing the thermostat, first always change parameter HC to heating H.

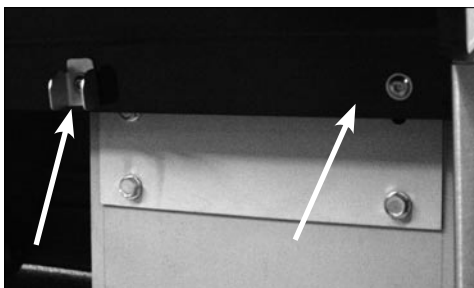
SENSOR ELIWELL THERMOSTAT



1. Remove the thermostat according prior procedure.
2. Remove the back panels + insulation + cover panel according to prior procedure.
3. Remove the panels on the bottom side.
4. New version: remove the holder with sensor (use a drill of 3.2 mm)
Old version: remove clip on the sensor and remove the sensor.
5. Remove the screws on the front panel and remove this panel.
6. Lead sensor through the grommet and lead the sensor to the back side.
7. Reverse the procedure to install.



Note: See to it that the sensor is placed straight inside the chamber.

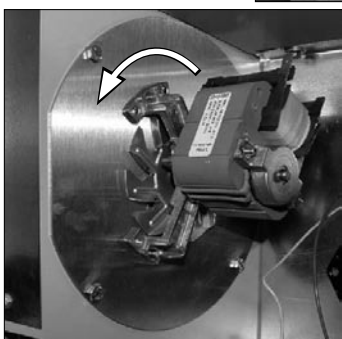
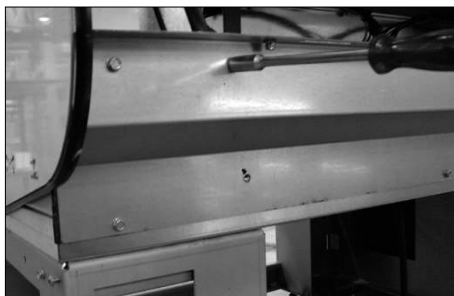
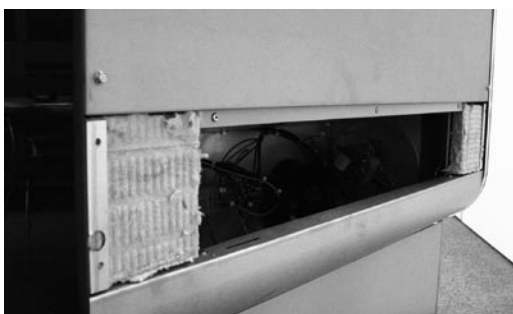


BLOWER AIR CURTAIN



1. Remove honeycomb profile and bottom shelf.
2. Remove the electric panel according prior procedure.
3. Remove all panels on the bottom side + the back panel on bottom side and the cover plate on the field wiring box according prior procedures.
4. Remove the wiring on the connection block.
5. Remove the bolts on the inside and remove the blower.
6. Reverse the procedure to install.

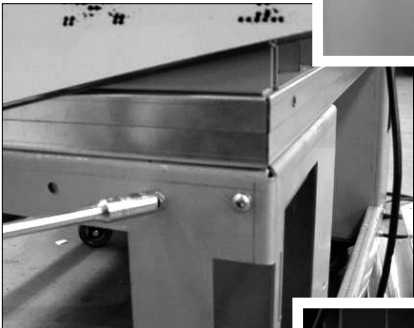
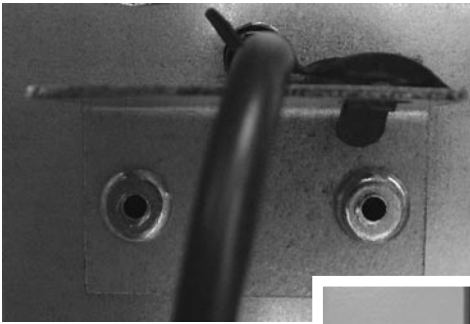
BLOWER SHELF HEATING



Turning direction
anti-clockwise



1. Remove the electric panel and all panels on the bottom side according prior procedures.
2. Remove the socket screws from the bended plate (MD25/40 only) and fastening plate and remove these plates.
3. Remove the wiring from the blower.
4. Remove the bolts on the round mounting plate and remove the blower.
5. Remove the nut on the fan blade and remove fan blade. (Left handed threads).
6. Remove the screws that hold the blower and remove the blower from the round mounting plate.
7. Reverse the procedure to install.

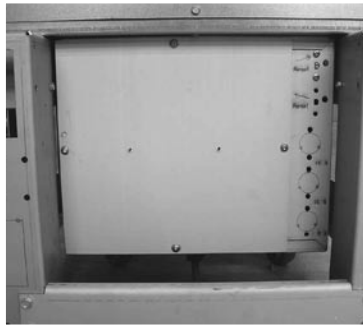
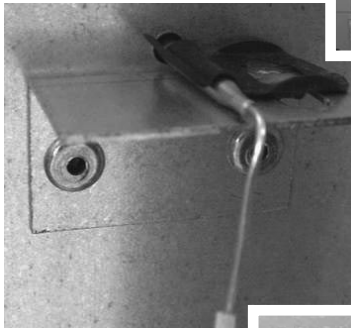
HEATING ELEMENT

1. Remove the back panels, insulation, cover plate and the thermostat sensor according prior procedures.
2. Remove all the panels on the bottom side side + the back panel on bottom side according prior procedures.
3. Remove the bended plate (MD 25+40 only) and fastening plate on the back side according prior procedures.
4. Remove the small cover plate on the back side.
5. Remove the bolts that hold the cover tray on the element and remove the tray.
6. Remove the wiring on the heating element.
7. Remove the nut that secures the element and remove the element from the inside.
8. Reverse the procedure to install.

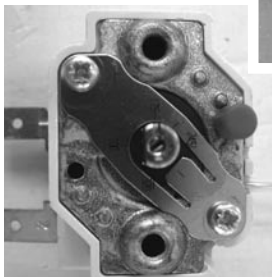
SAFETY THERMOSTAT (RESET)

1. Remove the electric panel, back panels, insulation and cover plate, and the cover plate on the field wiring box according prior procedures.
2. Remove the clip on the sensor and remove the sensor.
3. Remove the wiring on the thermostat.
4. Remove the screws that secure the thermostat and remove the thermostat.
5. Reverse procedure to install.

Note: a. Each hot air column has a built in thermostat.
b. Set the thermostat on 175°C.

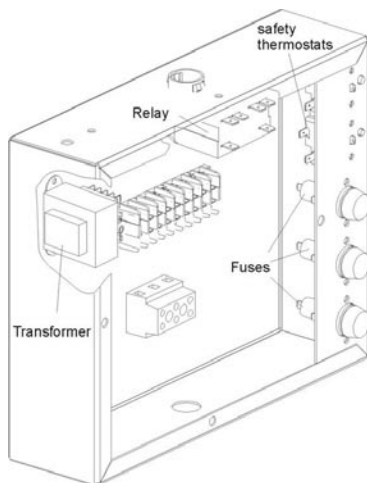


Reset button



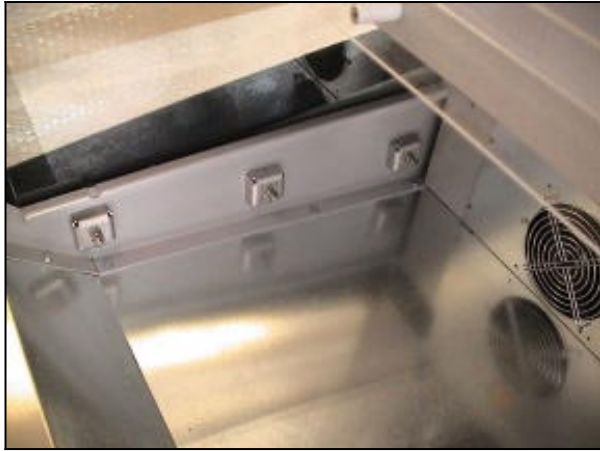
TRANSFORMER/RELAY

1. Remove all panels on the bottom side, the back panel on bottom side and the cover plate on the field wiring box according prior procedures.
2. Remove the wiring from the transformer or relay.
3. Remove the screws that secure the transformer / relay and remove the transformer / relay.
4. Reverse procedure to install.



REPLACING SIDE GLASS

- **Remove all traces of glass and silicone past.**



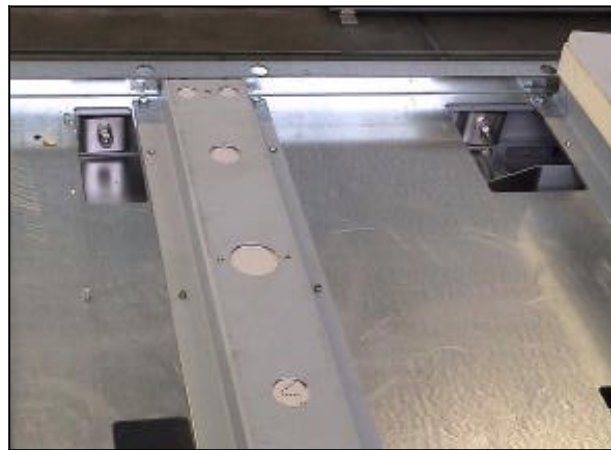
- Remove the product stopper from the bottom plate.
 - Take out the honeycomb profile and retainer.
 - Remove the bottom plate.
- The attachment brackets are visible.



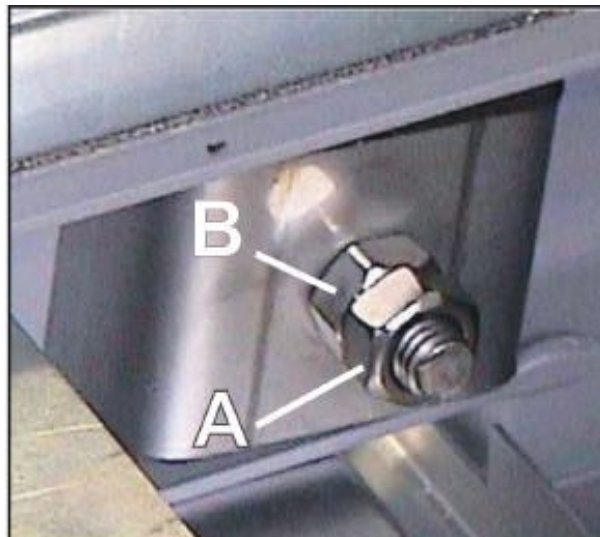
- Remove the six screws from the top plate.
- Remove the top plate.



- Remove the insulation plates.



The attachment brackets are visible.



Remove the old notches that were glued to the glass by taking them from the attachment brackets.

Use two spanners to proceed as follows:

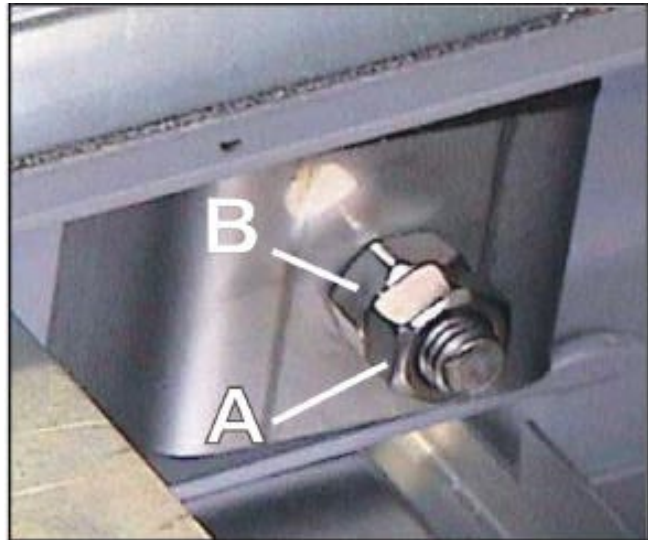
- Hold nut B with one spanner.
- Detach nut A with the other spanner.
- Remove the brackets and the old notches.

Putting the new glass in place



- Thoroughly clean the side and remove any traces of fat.
-
- Glue a piece of foam of 1/8". (X) on the top side.
- Apply silicone paste following the pattern as shown in above picture.
- Position the notches which are glued to the glass in the holes.
- Put the brackets on the threaded studs.

- Attach all nuts B by hand.
- Hold nut B in position using a spanner.
- Tighten nut A firmly using a spanner.



- **Put the insulation plates in the top !**
- Apply the top plate.
- Put the screws in the top plate
- Put the bottom plate in the unit.
- Position the honey comb profile with the retainer in the opening.
- Place the product stopper in the channel in the bottom plate.

ELECTRICAL TESTS AND SERVICE PROCEDURES

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

HEATING ELEMENT TEST

Note: When testing the resistance of the element remove the wiring.

Type	Wattage/ Voltage	Resistance Ω -10% + 0%	Current A
MD 25 Hot + Classic Deck Hot	1500 / 208	28,8	7.2
	1500 / 230	35,3	6.5
MD 40 Hot	1750 / 208	24,7	8.4
	1750 / 230	30,2	7.6

ADJUSTING ELIWELL IC 902/H NTC THERMOSTAT (MD/CLD HOT)



Note: In order to adjust the thermostat, first remove the thermostat according prior procedure.

Changing set point

1. Press set key. In display "set" appears.
2. Press set key again. Set point appears in display.
3. Change value with up or down key.
4. Press set key to confirm.
5. Leave menu by pressing fnc key 2x.

When no key is pressed after last confirmation, system goes back to normal operation mode after 15 seconds.

ADJUSTING ELIWELL THERMOSTAT (CONTINUED)

Programming menu

The programming menu consists of 4 folders: CP – diS – CnF – Fpr. Each folder contains level 1 parameters. To enter these folders proceed as following:

1. Press set key for 5 seconds. In display “CP” appears.
2. Press up or down key to scroll through the folders.
3. To enter the folder press set key. In display the first parameter appears.

Setting internal parameters

1. Press set key for 5 seconds. In display “CP” appears.
2. Press up or down key to go to the desired folder.
3. Press set key. In display the first parameter of this folder appears.
4. Press set key to read out value.
5. Change value with up or down key.
6. Press set key to confirm.
7. Press up key for next parameter and follow instructions 4 to 6.
8. Press fnc key to return to the folder menu and follow instructions 2 to 6.
9. Leave menu by pressing fnc key 2x.

When no key is pressed after last confirmation, system goes back to normal operation mode after 15 seconds.

Replacing of thermostat

When you install a new thermostat, then always change parameter HC first to H. Otherwise some other parameters cannot be changed to the desired value.

Error message on display

E1: Temperature sensor broken or wiring problem sensor.

ADJUSTING ELIWELL THERMOSTAT (CONTINUED)

Parameters Eliwell thermostat

Folder	Parameter	Description	Multi Deck 25 Hot + Classic Deck Hot	Multi Deck 40 Hot	Standard value from supplier
CP		Setpoint °F	176	176	0
	diF	Switching differential °F	1	1	0
	HSE	Maximum setpoint °F	185	185	
	LSE	Minimum setpoint °F	149	149	
	HC	Function: Heating/Cooling H/C	H	H	C
	Ont	Regulator activation time	0	0	0
	Oft	Regulator disabled state time	0	0	0
	dOn	Delay time regulator relay	0	0	0
	dOF	Delay after switch-off	0	0	0
	dbi	Delay between switch-ons	0	0	0
	OdO	Delay time outputs	0	0	0
dis	LOC	Keyboard locking	n	n	n
	PA1	Password 1	0	0	0
	ndt	Number display type	-	-	
	CA1	Calibration 1	0	0	0
	dro	Function: °C/°F 0-1	1	1	0
cnF	H00	Probe type 0=PTC 1=NTC	1	1	0
	rEL	Device version (read only)	-	-	
	tAb	Reserved (read only)	-	-	
Fpr	UL	Upload	-	-	
	dL	Download	-	-	

ADJUSTING JOHNSON THERMOSTAT (CLD COLD)



Note: In order to adjust the thermostat, first remove the thermostat according prior procedure.

Changing set point

1. Press enter key for 2 seconds. In display the setpoint appears (32°F).
2. Change value with up or down key.
3. Press enter key to confirm.

Setting internal parameters

1. Press enter key for 7 seconds. In display the first parameter appears (HY).
2. Press enter key to read out value.
3. Change value with up or down key.
4. Press enter key to confirm.
5. The next parameter appears. Follow instructions 2 to 4.

When no key is pressed after last confirmation, system goes back to normal operation mode after 15 seconds.

Replacing of thermostat

When you install a new thermostat, then always change parameter Un first to 1 (°F). Otherwise some other parameters cannot be changed to the desired value. You can run through the parameters with the up or down keys, once you are inside the parameter settings.

Options

1. Self-test procedure. To execute this you first have to disconnect loads before self-test procedure. Press the up and down keys together, and hold for 5 seconds. Note: To return to normal mode the control must be switched OFF and ON again.
2. Manual start of defrost cycle. Hold the defrost key for 3 seconds. Note: The temperature has to be lower then the setting of parameter dt (40°F).
3. Actual temperature of sensor 1 (Thermostat). Press up key shortly 2 times.
4. Actual temperature of sensor 2 (Evaporator). Press down key shortly 2 times.

ADJUSTING JOHNSON THERMOSTAT (CONTINUED)

Error messages on display

F1: Interruption or short circuit of thermostat sensor.

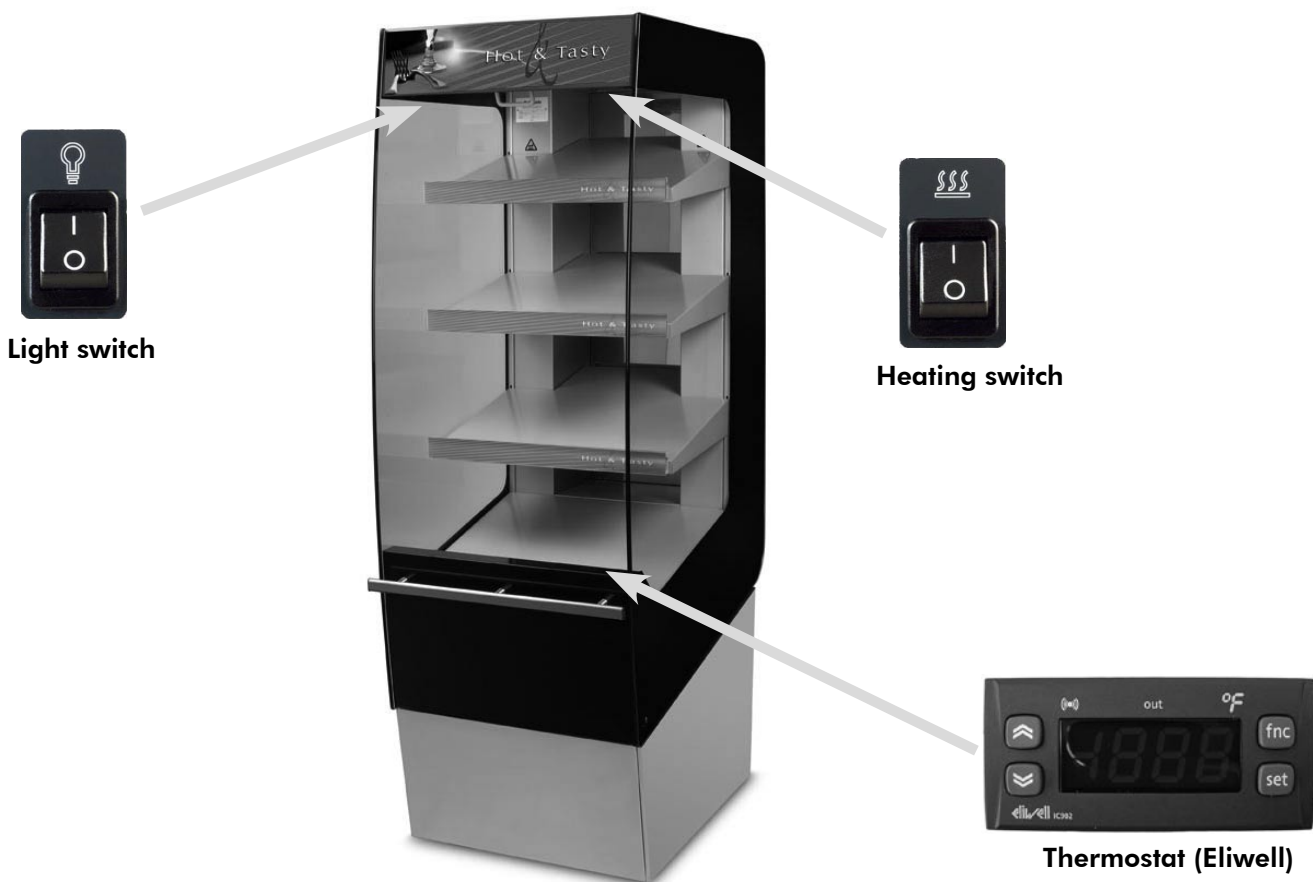
F2: Interruption or short circuit of evaporator sensor.

EE: Programme failure.

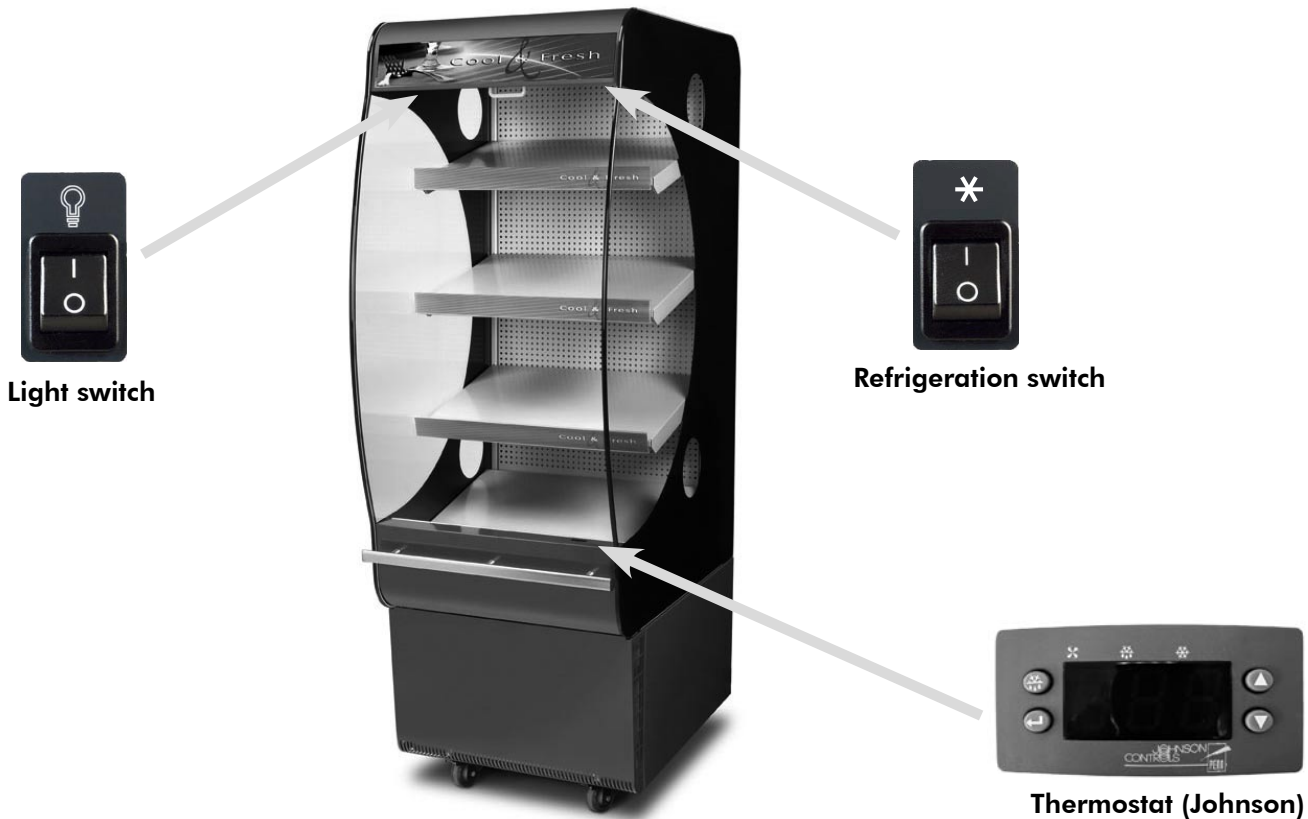
Parameters Johnson thermostat

Parameter	Description		Classic Deck Cold	Standard value from supplier
	Setpoint	°F	32	0
HY	Hysteresis	°F	4	2
LL	Lower setpoint limit	°F	-40	0
hL	Higher setpoint limit	°F	99	30
cc	Anti short cycling	min	5	2
co	Deep freezing time	min	60	60
Ah	High temperature alarm	°F	50	10
AL	Low temperature alarm	°F	-50	-10
Ad	Alarm differential	K	1	1
At	Alarm time delay	min	0	30
dF	Defrost function		0	0
dE	Defrost end function		1	1
dt	Defrost termination temp.	°F	40	7
di	Defrost interval time	hrs	3	6
dd	Max defrost duration	min	40	40
dc	Dripping time	min	0	5
du	First defrost after power on	min	off	10
dP	Display during defrost		0	0
dr	Delayed displayed temp. after defrost		10	20
iF	Digital input function		0	0
id	Digital input time delay	min	5	5
FF	Fan operating function		1	0
Fd	Fan start up delay after defrost end	min	0	5
Fr	Fan start temp. after defrost end	°F	-5	-5
SF	Thermostat operating function in case of sensor failure		2	2
So	Offset temp. sensor	K	-12	0
Un	Temperature units °C/°F	0/1	1	0
Pu	Display updating time delay	sec	1	1

CONTROL LOCATIONS HOT MODELS



CONTROL LOCATIONS COLD MODEL



GENERAL TROUBLESHOOTING LIST

Multi Deck 25/40 and Classic Deck Hot	
Symptom	Possible causes
No power to cabinet controls.	1. Main breaker open. 2. Fuses F1-2-3. 3. Wiring loose.
Main fuse or breaker blows.	1. Wiring incorrectly. 2. Heating element, blower or relay shorted. 3. Wiring shorted.
Illumination does not work. Note: On MD 40 lamps are connected in series.	1. Lamp malfunction. 2. Tumble switch malfunction. 3. Electronic ballast malfunction. 4. Wiring loose.
No heating.	1. Wiring loose. 2. Heating elements malfunction. 3. Relay K1 malfunction. 4. Both security thermostats tripped. 5. Fuse F3. 6. Transformer malfunction. 7. Thermostat malfunction. 8. Sensor wiring loose.
Unit does not reach desired temperature.	1. Heating element malfunction 2. Security thermostat tripped. 3. Strong air current along the unit. 4. Burned contact on relay K1.
Security thermostat tripped.	1. Blower for heating malfunction. 2. Setting of thermostat. 3. Thermostat malfunction.
No indication on electronic thermostat.	1. Fuse F3. 2. Transformer malfunction.(if fixed in unit) 3. Electronic thermostat malfunction. 4. Wiring loose.
Blower motor does not run.	1. Wiring loose. 2. Motor inoperative.

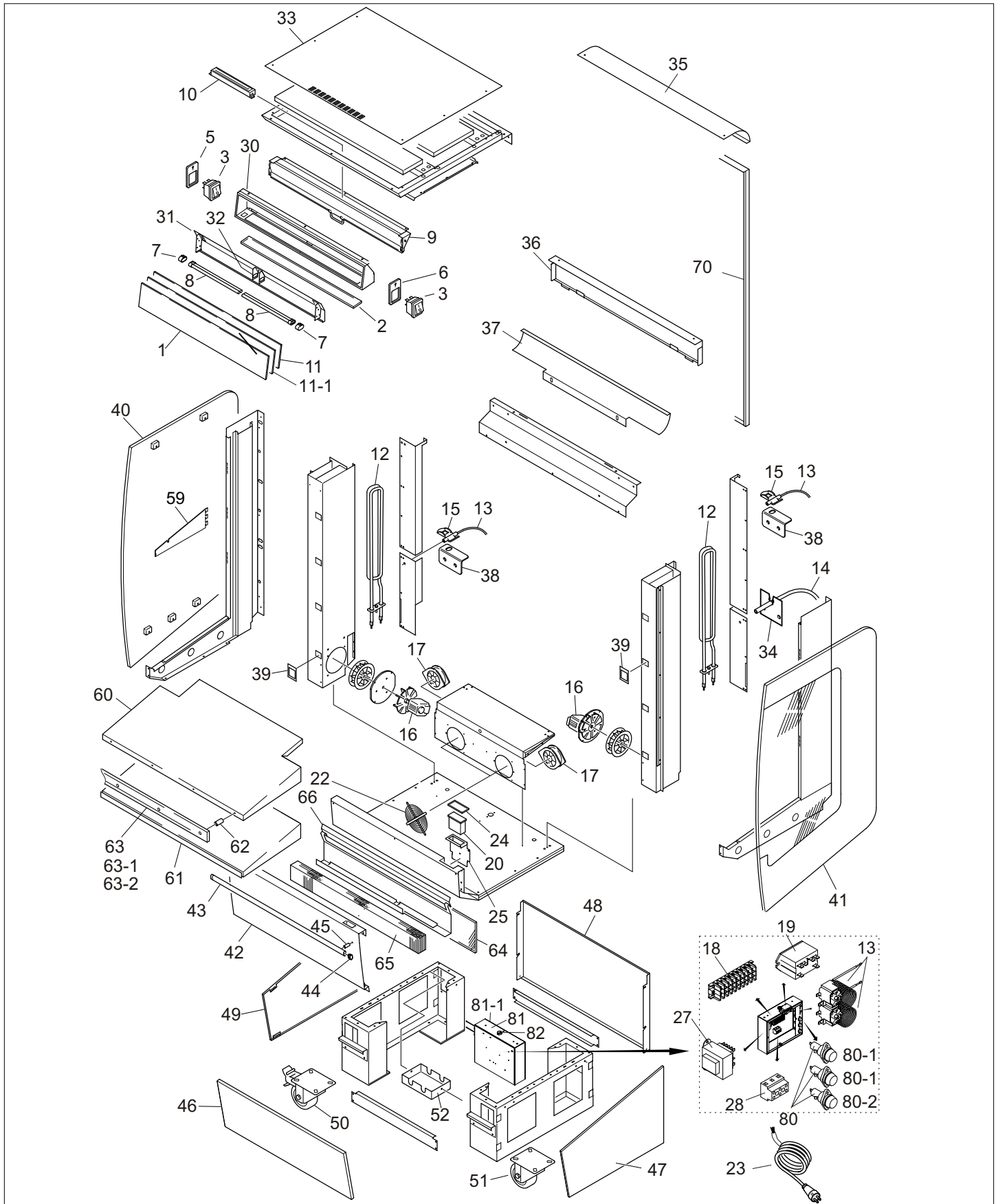
This is an analytic description for servicing and repairing all major parts of the Multi Deck 25 - 40 and Classic Deck Hot. It consists of 4 basic steps to recognize and solve the problems. These steps are:

1. Symptoms.
2. Possible causes.
3. Solving of the problem: checking/action.
4. Replacing of parts and testing.
 - a. Replacing is described in this service manual.
 - b. For testing see control locations on page 17 of this manual.

Description of part	Symptoms	Possible causes	Solving: checking / action
Relay K1	Relay does not come in.	Wiring	Check the wiring
		Coil malfunction	Check resistance of coil. This should be $\pm 6.4M\Omega$
		Contact burned	Check the contacts
Heating element	The cabinet is not reaching the adjusted temperature	Wiring	Check the wiring
		Element malfunction	Check the power on the element
Tumble switch	Light or heating does not switch on	Wiring	Check the wiring
		Contact burned	Check the voltage on "in"- and "output".
Electronic ballast	Light does not switch on	Wiring	Check the wiring
		Ballast malfunction	Replace ballast
PL lamp(s)	Light does not switch on	Wiring	Check the wiring
		Lamp(s) broken	Replace lamp(s)
Security thermostat	The cabinet is not reaching the adjusted temperature	Wiring	Check the wiring
		Security thermostat switched off	Reset thermostat
		Security thermostat malfunction	Replace thermostat
Electronic thermostat	Display does not light up	Wiring	Check the wiring
	The cabinet is not reaching the adjusted temperature or does not heat up at all	Loose sensor	Check sensor
		Thermostat malfunction	Replace thermostat

Description of part	Symptoms	Possible causes	Solving: checking / action
PTC 1000 sensor	The cabinet is not reaching the adjusted temperature or does not heat up at all	Broken sensor	Replace sensor
		Loose sensor	Check wiring
	The cabinet becomes too hot	Broken sensor	Replace sensor
		Sensor shorted	Check wiring
Transformer	The cabinet does not heat up	Wiring	Check the wiring
		Transformer malfunction	Check output voltage (12V) / Replace transformer
		Fuse F3 blown	Replace fuse
Blower(s) on heaters	Security thermostat switched off	Wiring	Check wiring
			Check voltage on blower
		Blower malfunction	Check for blockage
			Replace blower
Blower(s) air curtain	The cabinet is not reaching the adjusted temperature	Wiring	Check wiring
			Check the voltage on blower
		Blower malfunction	Check for blockage
			Replace blower

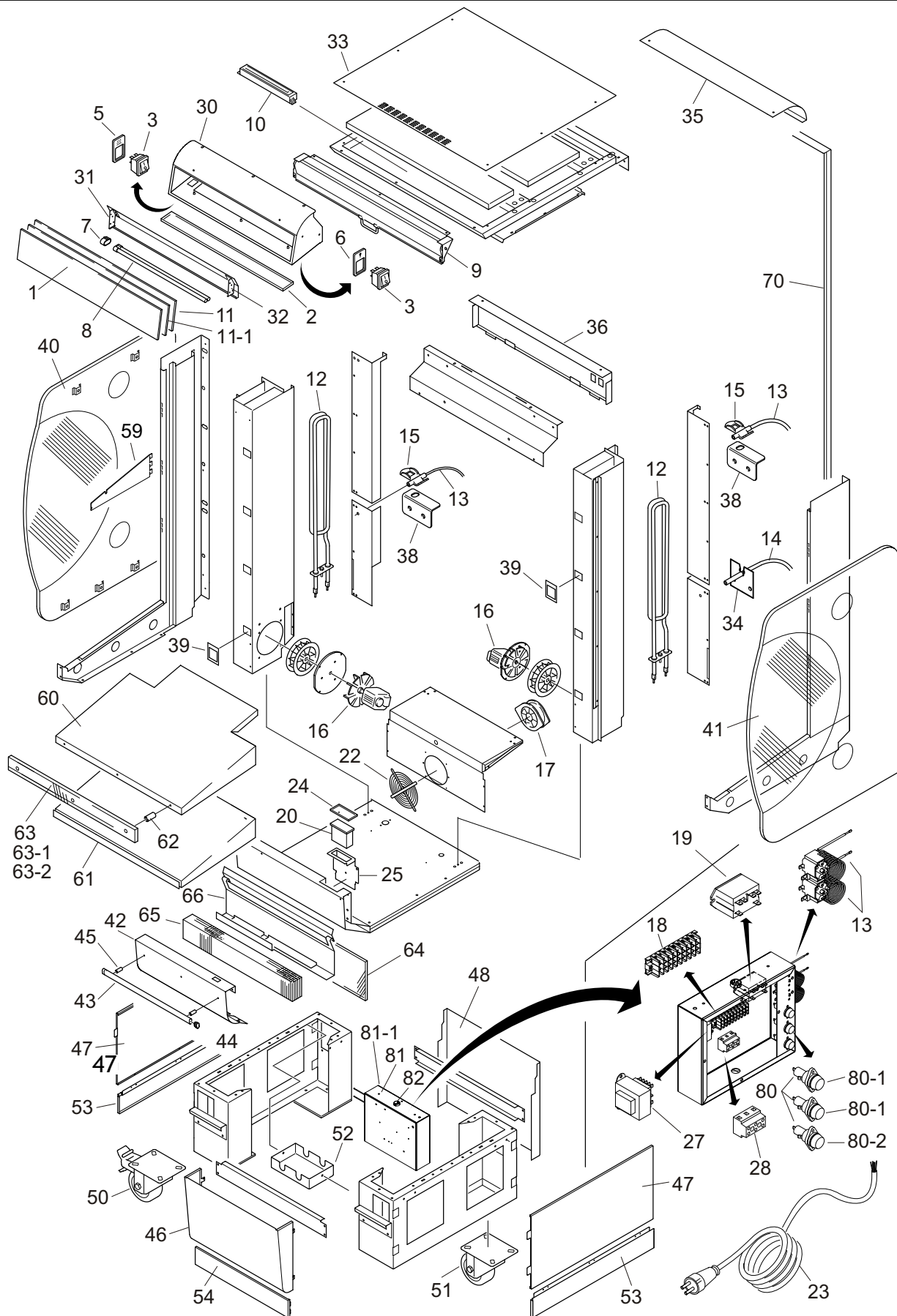
EXPLODED VIEWS & PARTLISTS



ITEM	PART NO	MODEL	QTY	Description
1	9222012	MD25	1	Protection plate dia, transparent
1	9222033	MD40	1	Protection plate dia, transparent
2	9222011	MD25	1	Protection plate, illumination inside
2	9222032	MD40	1	Protection plate, illumination inside
3	9181008	All models	2	Switch, tumble
5	9181071	All models	1	Sticker, light
6	9181072	All models	1	Sticker, heat
7	9082897	MD25	1	Lamp holder
7	9082897	MD40	2	Lamp holder
8	9160019	MD25	1	Lamp, PLL 55 W
8	9221006	MD40	2	Lamp, PLL 36 W
9	9222036	MD25	1	Night roller-blind
9	9222037	MD40	1	Night roller-blind
10	9222065	MD25	1	Ballast, 1x 55 W
10	9222064	MD40	1	Ballast, 1x 55 W
11	9222013	MD25	1	Protection plate, dia, opal
11	9222034	MD40	1	Protection plate, dia, opal
11-1	9223010	MD25	1	Diastrip
11-1	9223012	MD40	1	Diastrip
12	9222055	MD25	2	Heating element 208 V, 1500 W
12	9222056	MD40	2	Heating element 208 V, 1750 W
13	3500037	All models	2	Thermostat with reset, 100-320 °C
14	9221020	All models	1	Temperature sensor
15	9073181	All models	2	Cable clamp
16	9221017	All models	2	Blower
17	9221001	MD25	1	Blower
17	9221001	MD40	2	Blower
18	8033659	All models	1	Connecting block, 9-pol.
19	9181022	All models	1	Relay
20	9221016	All models	1	Thermostat, Eliwell
21	9222066	All models	1	Thermometer 100-200 °F
22	8031364	MD25	1	Grid, blower
22	8031364	MD40	2	Grid, blower
23	9172401	MD25	1	Connecting cable with plug 15-20P
23	9172409	MD40	1	Connecting cable with plug 6-30P
24	9222015	All models	1	Protection plate, thermostat
25	9224089	All models	1	Bracket, thermostat
27	9181036	All models	1	Transformer 12V
28	9044564	All models	1	Connecting block, 1,2,3
30	9225086	MD25	1	Light box
30	9224586	MD40	1	Light box
31	9224067	MD25	1	Bracket, lampholder
31	9224067	MD40	2	Bracket, lampholder
32	9225089	MD25	1	Bracket, lamp
32	9224068	MD40	1	Bracket, lamp
33	9225087	MD25	1	Top plate
33	9224587	MD40	1	Top plate
34	9224121	All models	1	Sensor holder

ITEM	PART NO	MODEL	QTY	Description
35	9225070	MD25	1	Top plate, bended
35	9224570	MD40	1	Top plate, bended
36	9225076	MD25	1	Panel
36	9224577	MD40	1	Panel
37	9225071	MD25	1	Bottom plate, bended
37	9224571	MD40	1	Bottom plate, bended
38	9224097	All models	2	Bracket, temperature probe
39	9222048	All models	8	Rubber gasket
40	9220048	All models	1	Glass panel, left, ass.
41	9220049	All models	1	Glass panel, right, ass.
42	9225029	MD25	1	Front plate bottom
42	9224529	MD40	1	Front plate bottom
43	9223053	MD25	1	Bumper
43	9223064	MD40	1	Bumper
44	9171014	All models	2	Plug
45	9223054	All models	3	Spacer
46	9225025	MD25	1	Front panel underframe
46	9224525	MD40	1	Front panel underframe
47	9224028	All models	1	Right side panel underframe
48	9225026	MD25	1	Rear panel underframe
48	9224526	MD40	1	Rear panel underframe
49	9224027	All models	1	Left side panel underframe
50	9172066	All models	2	Castor with brake
51	9172125	All models	2	Castor without brake
52	9224092	All models	2	Protection plate electricity
59	9224005	All models	6	Shelf support
60	9220011	MD25	3	Shelf
60	9220015	MD40	3	Shelf
61	9220010	MD25	1	Bottom shelf
61	9220016	MD40	1	Bottom shelf
62	9221008	All models	9	Spacing pin, 3D nut M6
63	9226023	MD25	3	Holder, price rail
63	9227023	MD40	3	Holder, price rail
63-1	9223024	MD25	3	Price rail, transparent
63-1	9223025	MD40	3	Price rail, transparent
63-2	9223014	MD25	3	Dia strip, price rail
63-2	9223016	MD40	3	Dia strip, price rail
64	9222010	MD25	1	Productstopper , bottom, perspex
64	9222030	MD40	1	Productstopper , bottom, perspex
65	9222044	MD25	1	Air divider, honeycomb
65	9222045	MD40	1	Air divider, honeycomb
66	9225090	MD25	1	Bracket, honeycomb
66	9224589	MD40	1	Bracket, honeycomb
70	9225077	MD25	1	Rear plate
70	9224578	MD40	1	Rear plate
80	9044205	All models	3	Fuse Holder
80-1	9110250	All models	2	Fuse SC10, 10A
80-2	9181049	All models	1	Fuse SC2.5, 2.5A

ITEM	PART NO	MODEL	QTY	Description
81	9224101	All models	1	Connection box
81-1	9224102	All models	1	Cover, box
82	9070840	All models	1	Grommet



Classic Deck Hot Assembly Drawing

ITEM	PART NO	QTY	Description
1	9222109	1	Protection plate dia, transparent
2	9222011	1	Protection plate, illumination inside
3	9181008	2	Switch, tumble
5	9181071	1	Sticker, light
6	9181072	1	Sticker, heat
7	9082897	1	Lamp holder
8	9160019	1	Lamp, PLL 55 W
9	9222036	1	Night roller-blind
10	9222065	1	Ballast, 1x 55 W
11	9222110	1	Protection plate, dia, opal
11-1	9223011	1	Diastrip
12	9222055	2	Heating element 208 V, 1500 W
13	3500037	2	Thermostat with reset, 100-320 °C
14	9221020	1	Temperature sensor
15	9073181	2	Cable clamp
16	9221017	2	Blower
17	9221001	1	Blower
18	8033659	1	Connecting block, 9-pol.
19	9181022	1	Relay
20	9221016	1	Thermostat, Eliwell
21	9222066	1	Thermometer 100-200 °F
22	8031364	1	Grid, blower
23	9172401	1	Connecting cable with plug 15-20P
24	9222015	1	Protection plate, thermostat
25	9224089	1	Bracket, thermostat
27	9181036	1	Transformer 12V
28	9044564	1	Connecting block, 1,2,3
30	9226030	1	Light box
31	9224067	1	Bracket, lampholder
32	9225089	1	Bracket, lamp
33	9225087	1	Top plate
34	9224121	1	Sensor holder
35	9225070	1	Top plate, bended
36	9225076	1	Panel
38	9224097	2	Bracket, temperature probe
39	9222048	8	Rubber gasket
40	9220044	1	Glass panel, left, ass.
41	9220045	1	Glass panel, right, ass.
42	9226029	1	Front plate bottom
43	9223053	1	Bumper
44	9171014	2	Plug
45	9223054	3	Spacer
46	9226027	1	Front panel underframe
47	9226024	2	Side panel underframe
48	9226026	1	Rear panel underframe
50	9172066	2	Castor with brake
51	9172125	2	Castor without brake
52	9224092	2	Protection plate electricity

ITEM	PART NO	QTY	Description
53	9226025	2	Plinth
54	9226028	1	Plinth
59	9224005	6	Shelf support
60	9220011	3	Shelf
61	9220010	1	Bottom shelf
62	9221008	9	Spacing pin, 3D nut M6
63	9226023	3	Holder, price rail
63-1	9223024	3	Price rail, transparent
63-2	9223014	3	Dia strip, price rail
64	9222010	1	Productstopper , bottom, perspex
65	9222044	1	Air divider, honeycomb
66	9225090	1	Bracket, honeycomb
70	9225077	1	Rear plate
80	9044205	3	Fuse Holder
80-1	9110250	2	Fuse SC10, 10A
80-2	9181049	1	Fuse SC2.5, 2.5A
81	9224101	1	Connection box
81-1	9224102	1	Cover, box
82	9070840	1	Grommet

limiting thermostat

X

15

16

19

21

22

20

1

3

5

6

BR

4

ntc-1000

F1 25A

26

17

10

27

18

2

24

K1/1

25

11

1750W

13

23

8

BL

M1 1~

K1

M3 1~

Y

W

S1

S2

BALLAST ICF-2518

18W

circuit diagram 208V

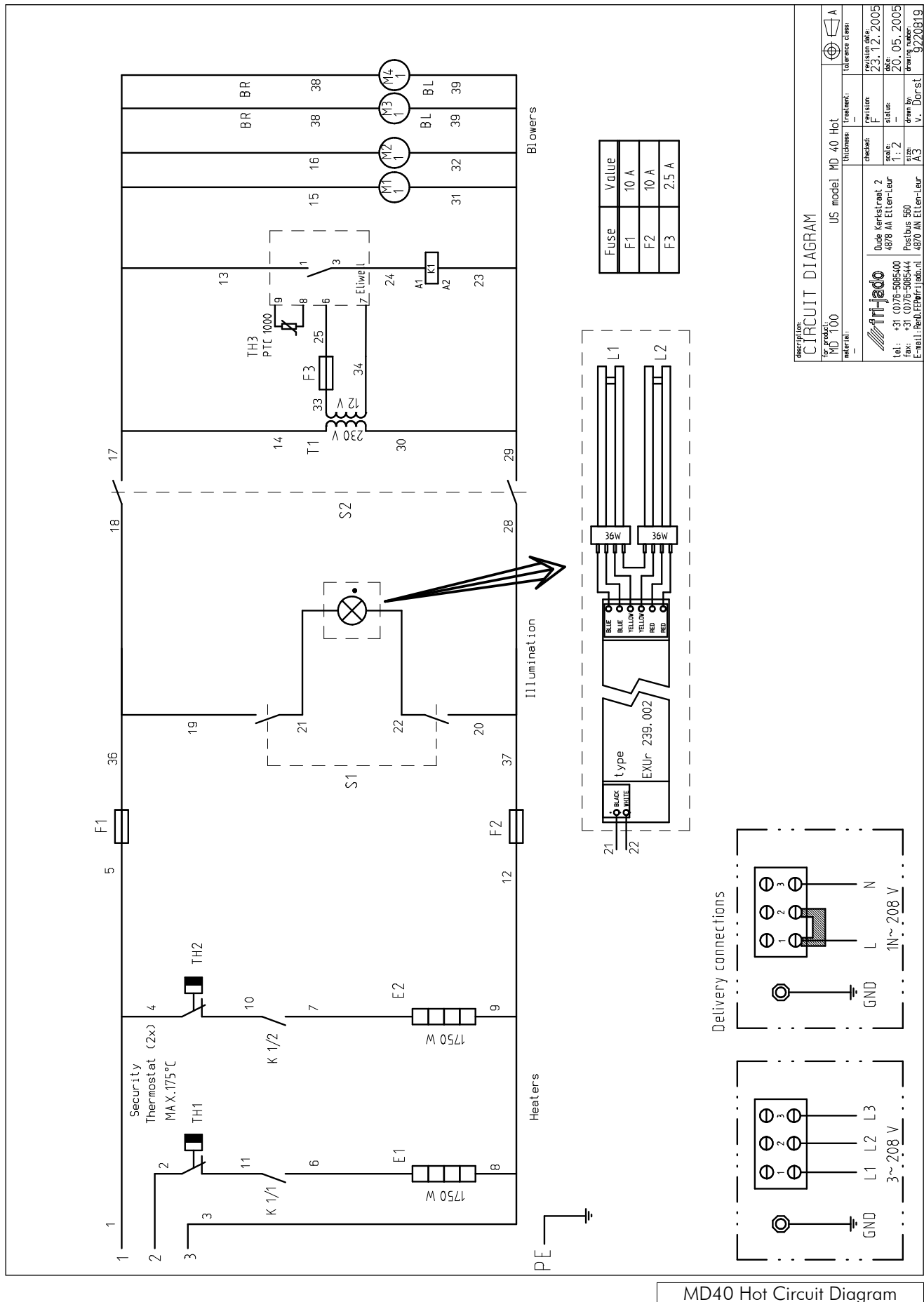
matraal:		aant:	pos:	benaming	order nr.:		onderdeel nr.
afm. grondstof:		Revisie:	@		aantal		
afmeting:		Revdit:			per		product
gewicht:		oppervl:			m ²		order

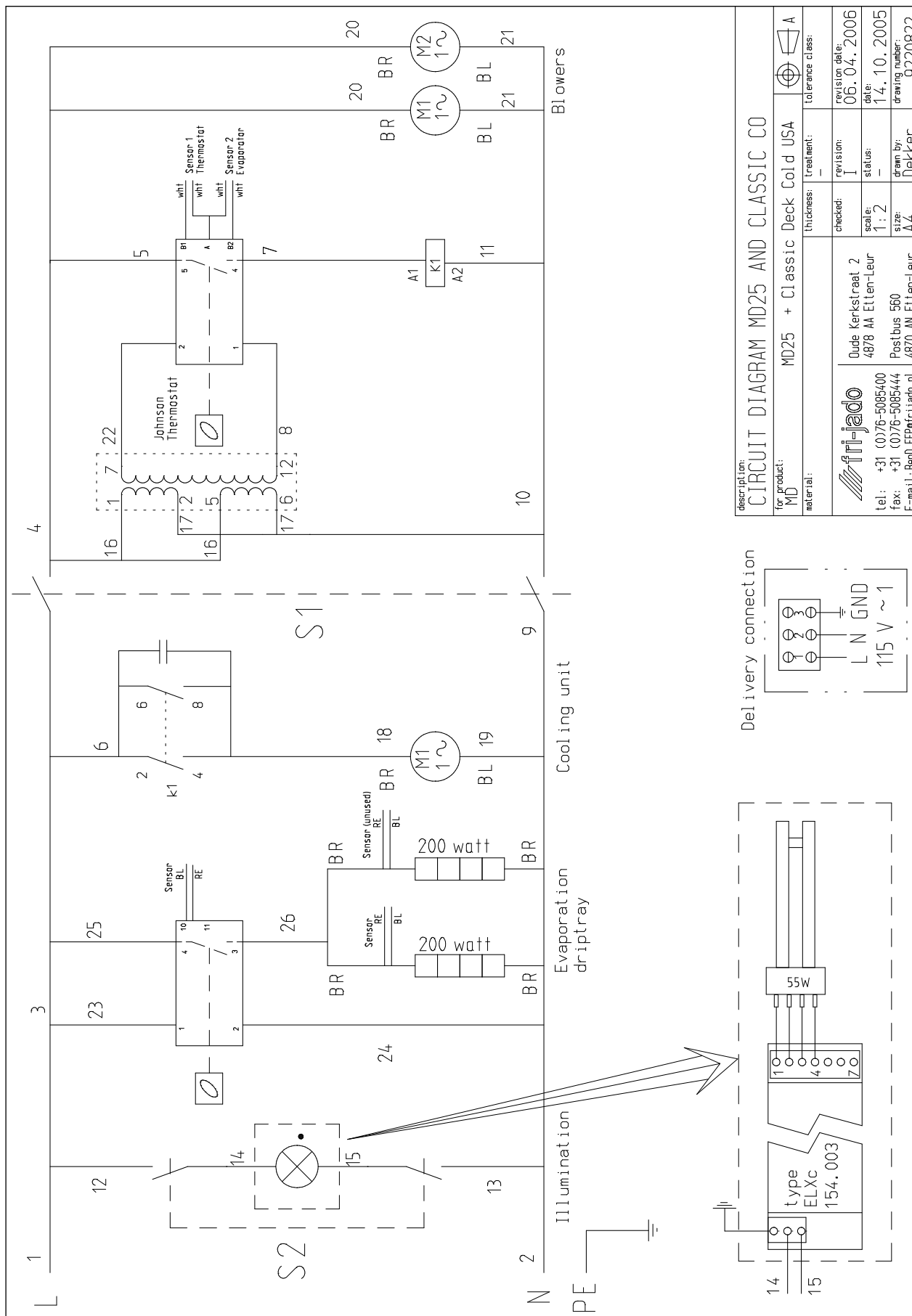
bestemd voor:		benaming		schakel	
MD-15				circuit diagram 208V	

bedrijfsaandrijving		geleverd		schakel	
grootvermogen en horcaalstaties		fri-jado		M.Blommaert	
Fri-jado b.v.		gecoörd:		1:1	
Oude Kerkstraat 2, Etten-leur		format:		A3	
Postbus 100, 4860 AB Etten-leur		tekening nr.:		9220832	
Telefoon 076-5985400		datum:		24-11-2006	
Fax 076-5985444					
E-Mail: frijado@pandnet					

Page 31







description: CIRCUIT DIAGRAM MD25 AND CLASSIC C0

for product: MD

material: MD25 + Classic Deck Cold USA

thickness: —

checked: I

scale: 1:2

size: A4

status: —

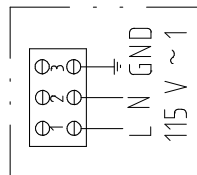
drawn by: Dekker

revision date: 06.04.2006

date: 14.10.2005

drawing number: 9220822

Delivery connection



CLD Cold Circuit Diagram

EMPTY PAGE

