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# **System messages**

## **Overview of possible system messages**

### **Elektronik I – IV**



## Table of contents

E 000 System message:malfunction sensor missing.....	7
E 001 Warning: condensate tankfull .....	7
E 002 Warning: exhaustion of condensed water defective.....	7
E 003 System message: pressure sensor higher than 25 bar .....	7
E 004 System message: overpressure switch air conditioning system higher than 28 bar.....	7
E 005 Warning: temperature fuse body heating.....	7
E 006 Warning: temperature sensor body air.....	7
E 010 System message: temperature fuse facial tanner.....	8
E 010 System message: temperature fuse ( Lightvision Bluevision and Spectra).....	8
E 011 System message: temperature fuse for the canopy.....	8
E 012 System message: temperature fuse for base.....	8
E 013 System message: air outlet temperature sensor for canopy.....	8
E 014 System message: air inlet temperature sensor.....	8
E 015 System message: temperature sensor air circulation for unit's cooling.....	8
E 016 System message: temperature sensor capacitor air conditioning system.....	8
E 017 System message: temperature sensor air inlet.....	8
E 018 System message: lamp temperature < room temperature .....	9
E 019 System message: lamp temperature > room temperature + 30° C / 86° F.....	9
E 020 System message: filter glass facial tanner (canopy center and rear).....	9
E 021 System message: filter glass facial tanner (canopy in front).....	9
E 022 System message: filter glass facial tanner(side section) / canopy temperature fuse (together with E064).....	9
E 023 System message: filter glass facial tanner (canopy and side section).....	9
E 024 System message: filter glass facial tanner (canopy center, rear and front).....	9
E 025 System message: filter glass facial tanner (canopy center, rear, front and side- section).....	9
E 027 System message: filter glass facial tanner (canopy rear).....	9
E 028 System message: filter glass facial tanner (canopy center).....	9
E 029 System message: Timeout automatic switch off facial tanner barrier.....	9
E 030 System message: safety switch acrylic panel canopy (or glass bonnet Avantgarde).....	10
E 031 System message: safety switch acrylic panel base or tank base.....	10
E 032 System message: safety switch acrylic panel (canopy - side section - base - tank or shoulder tanner).....	10
E 034 System message: safety switch acrylic panel (canopy - side section - base - tank or shoulder tanner).....	10
E 035 System message: safety switch acrylic panel (canopy - base - side section or shoulder tanner).....	10
E 036 System message: safety switch acrylic panel base or tank base.....	10



E 037	System message: safety switch acrylic panel canopy or side section .....	10
E 038	System message: safety switch acrylic panel base or tank base.....	10
E 039	System message: safety switch acrylic panel shoulder tanner .....	10
E 040	System message: air flow switch does not switch on .....	10
E 041	System message: air flow switch does not switch off .....	11
E 042	Warning: air flow switch does not switch on (increasing rotation speed by 10%) .....	11
E 050	System message: safety switch front panelfront(top) (only for Open Sun 600).....	11
E 051	System message: safety switch rear panels rear (top).....	11
E 052	System message: opening mechanism arm > 45 seconds .....	11
E 053	System message: filter glass high-pressure units upper body (3 - 4 - 5 - 8 - 9 - 10).....	11
E 054	System message: filter glass high-pressure units lower body (1 - 2 - 6 - 7).....	11
E 055	System message: malfunction high-pressure unit 1 (front).....	11
E 056	System message: malfunction high-pressure unit 2 (rear).....	11
E 057	System message: malfunction high-pressure unit 17(canopy - front / see next drawing) .....	11
E 058	Systemmessage:malfunction high-pressure unit 18(canopy - center/ see next drawing).....	11
E 059	System message: malfunction high-pressure unit 19 (canopy - rear / see next drawing)...	11
E 060	Systemmessage:malfunction high-pressure unit 20(side section/ seenextdrawing).....	12
E 061	System message: safety switch acrylic panel canopyand cover canopy .....	12
E 062	System message: safety switch acrylic panel base and side section.....	12
E 063	System message: safety switch acrylic panel side section .....	12
E 064	System message: safety switch cover canopy / temperature fuse canopy (together with E022) .	12
E 065	System message: safety switch acrylic panel canopy.....	12
E 066	System message: safety switch acrylic panel canopy / temperature fuse canopy .....	12
E 067	System message: safety switch doorservice room.....	12
E 070	System message: malfunction high-pressure unit 1 (foot - front / see nextdrawing).....	13
E 071	System message: malfunction high-pressure unit 2 (foot - center / see next drawing).....	13
E 072	System message: malfunction high-pressure unit 3 (foot - rear / see next drawing) .....	13
E 073	System message: malfunction high-pressure unit 4 (foot - side section/ see next drawing).....	13
E 074	System message: malfunction high-pressure unit 5 (legs - front / see next drawing).....	13
E 075	System message: malfunction high-pressure unit 6 (legs - center / see next drawing) .....	13
E 076	System message: malfunction high-pressure unit 7 (legs - rear / see next drawing) .....	13
E 077	Systemmessage:malfunction high-pressure unit 8 (legs - side section/ see next drawing).....	13
E 078	System message: malfunction high-pressure unit 9 (body - front / see next drawing).....	13
E 079	Systemmessage:malfunction high-pressure unit 10(body - center / see next drawing) .....	13
E 080	System message: malfunction high-pressure unit 11 (body - rear / see last drawing).....	14
E 081	Systemmessage:malfunction high-pressure unit 12 (body - side section/ see last drawing).....	14
E 082	Systemmessage:malfunction high-pressure unit 13 (upper body - front / see last drawing) .....	14
E 083	Systemmessage:malfunction high-pressure unit 14 (upper body - center / see last drawing) ...	14
E 084	Systemmessage:malfunction high-pressure unit 15 (upper body - rear / see last drawing) .....	14



E 085 Systemmessage: malfunction high-pressure unit 16 (upper body- side section / see last drawing)	14
E 086 System message: temperature fuse monitor Multivision unit	14
E 088 System message: temperature fuse door right side	14
E 090 System message: emergency switch off time exceeded	14
E 091 System message: I <sup>2</sup> C-Bustransmission error	14
E 092 System message: wiring power error in the safety chain	14
E 095 System message: additional controller	15
E 100 System message: emergency switch-off time exceeded	15
E 101 System message: I <sup>2</sup> C-Bus transmission error	15
E 102 System message: wiring power error in the safety chain	15
E 103 System message: malfunction audiounit	15
E 104 System message: lamp chip card error	15
E 105 System message: additional controller	15
E 106 System message: PCB air condition / Climatronic	16
E 107 System message: PCB facial tanner control	16
E 108 System message: Current measuring board fault (E4)	16
E 108 System message: malfunction PCB rotation speed control 1 (slot 5)	16
E 109 System message: malfunction PCB rotation speed control 2 (slot 6)	16
E 110 System message: Aroma / Aqua-Fresh Controller	16
E 111 Warning: Audioamplifier	16
E 112 Warning: channelselection	16
E 113 System message: malfunction real-time clock	16
E 114 System message: malfunction equipmentpass / parameter memory	17
E 115 System message: PCB electronic ballasts control	17
E 116 System message: PCB high-pressure fan control	17
E 117 System message: data communication to the USB interface faulty	17
E 118 System message: data communication to the MV unit faulty	17
E 119 System message: malfunction data communication cockpit control	17
E 120 System message: malfunction sensor missing	17
E 121 System message: calibration required	17
E 122 System message: calibration failed	18
E 123 System message: validation failed	18
E 124 Warning: data communication with the sensor defective	18
E 125 Warning: tanning in normal mode	18
E 126 System message: mains voltage faulty	18
E 127 System message: PCB conventional ballasts control	18
E 128 System message: voltage to low	18
E 129 System message: Operating hours Aquafresh finished	18



E 130 System message: equipment mistake of the slot PCB.....	19
E 131 System message: data communication additional controller .....	19
E 132 System message: start-up inspection of the UV sources.....	19
E 133 System message: switch function additional controller rotation speed control.....	19
E 134 System message: malfunction fuse rotation speed .....	19
E 135 System message: malfunction power supply rotation speed control .....	19
E 136 System message: Error current monitoring LED GB.....	20
E 137 System message: Remote control .....	20
E 138 System message: E.V.A (Ergoline Voice Assistan) .....	20
E 140 System message: malfunction main conductor does not switch on.....	20
E 141 System message: malfunction main conductor does not switch off .....	20
E 142 System message: malfunction switch-on cycle main conductor .....	20
E 143 System message: malfunction difference coin box input.....	20
E 150 System message: malfunction high-pressure units A 1 - 3 (see next drawing) .....	21
E 151 System message: malfunction high-pressure units A 4 - 6 (see next drawing) .....	21
E 152 System message: malfunction high-pressure units B 7 - 9 (see next drawing) .....	21
E 153 System message: malfunction high-pressure units B 10 - 12 (see next drawing) .....	21
E 154 System message: malfunction high-pressure units C 13 - 15 (see next drawing) .....	21
E 155 System message: malfunction high-pressure units C 16 - 18 (see next drawing) .....	21
E 156 System message: malfunction high-pressure units D 19 - 21 (see next drawing).....	21
E 157 System message: malfunction high-pressure units D 22 - 24 (see next drawing).....	21
E 158 System message: malfunction high-pressure units E 25 - 27 (see next drawing).....	21
E 159 System message: malfunction high-pressure units E 28 - 30 (see last drawing) .....	21
E 160 System message: malfunction acrylic panel high-pressure units A 1 - 6 (see last drawing) .....	21
E 161 System message: malfunction acrylic panel high-pressure units B 7 - 12 (see last drawing) .....	22
E 162 System message: malfunction acrylic panel high-pressure units C 13 - 18 (see last drawing) .....	22
E 163 System message: malfunction acrylic panel high-pressure units D 19 - 24 (see last drawing) .....	22
E 164 System message: malfunction acrylic panel high-pressure units E 25 - 30 (see last drawing) .....	22
E 165 System message: malfunction high-pressure units 1 - 3 (left side - see next drawing).....	22
E 166 System message: malfunction high-pressure units 5 - 7 (right side - see next drawing).....	22
E 167 System message: malfunction high-pressure unit 4 (left side - see next drawing) .....	22
E 168 System message: malfunction high-pressure unit 8 (right side - see next drawing) .....	22
E 190 System message: missing language in the cockpit control.....	23
E 191 Warning: missing language in the audio controller.....	23
E 192 System message: Timer mode activated.....	23
E 199 Warning: difference of the system time .....	23
E 200 Warning: malfunction fan electronic component board.....	23
E 201 System message: Device pass defective.....	23
E 202 System message: error during software update .....	23



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E 203 System message: VoiceGuidetextsnotup-to-date .....	23
E 204 System message: Missingoperatoridentification .....	24
E205 System message software incompatibility .....	24
E 250 System message: The emergency stop has been pushed.....	24
40°CWarning:air inlettemperature above40° C / 104° F	24
50°CWarning:air circulation or lamptemperature above50 °C / 122° F.....	24
25 bWarning: pressure of air conditionabove25 bar	24
Door	Warning: stand-up tanner's door open..... 24
Symbol description Display.....	26



## Error description

### E 000 System message: malfunction sensor missing

- (only for Electronic II)
- The sensor is activated in the equipment, but not connected.

### E 001 Warning: condensate tankfull

- The air conditioning's condensate tank is full. Please check the condensate tank and the appropriate level switch respectively.

### E 002 Warning: exhaustion of condensed water defective

- The condensed water's level has switched on the pump. If the time span is >45 seconds and the pump continues to be in use then the system message is displayed.
- Possible error sources are:
  1. the level switch / level control PCB is defective
  2. a hose may be bent / squeezed
  3. a pump may be defective

### E 003 System message: pressure sensor higher than 25 bar

(only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2) If the unit's air conditioning is running with a pressure of >25 bar then shows after the tanning session the display 25b and the service module E003.

### E 004 System message: overpressure switch air conditioning system higher than 28 bar

- (only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- If the unit's air conditioning is running with a pressure of >28 bar then the overpressure sensor switches off the sunbed.
- Possible error sources are:
  1. one or both main fans have failed
  2. fan control PCB (11887-green LED) is defective
  3. filter above the unit's air conditioning system is polluted
  4. air conditioning system (inside) polluted – the air conditioning system has to be **disassembled to check**
  5. the air outlet flap above the left side air outlet fan inside the unit does not open

Example: measured values e.g. -> at optimum air in- and outlet the unit's fans run with a power consumption of ca. 3 amperes (plug 39-> fan in air discharge) and (plug 6-> fan bottom left in sunbed). If the flap does not open then a higher current of ca. 4.2 amperes runs in the upper fan, and in the lower fan a maximum of 1.8 amperes.

### E 005 Warning: temperature fuse body heating

- (for sunbeds with Climatronic)
- If a temperature fuse for the heating elements has switched off, the power supply for the heating PCB (X05\_25) or a fuse is defective then the heating is switched off and the warning message is shown after the end of the tanning session (only the input/output power is measured).
- Possible error sources are:
  1. air inlet temperature too high
  2. steps of fan speed are wrong
  3. body fan defective
  4. air ducts on the heating unit are leaking
  5. fan on run time <3min
  6. bellows to the canopy are leaking
  7. temperature sensor body temperature is faulty or not in correct position

### E 006 Warning: temperature sensor body air

- (for sunbeds with Climatronic) If the body air temperature sensor has been higher than 75° C / 167° F for more than 3 minutes then the message is displayed.
- Possible error sources are:
  1. PCB may be defective or not connected
  2. defective contact
  3. wiring broken



## E 010 System message: temperature fuse facial tanner

- If one of the facial tanners' temperature fuses has switched off then this system message is displayed.
- Possible error sources are:
  1. one or more defective fans of the facial tanner units
  2. defect of the facial tanner's fan control PCB
  3. overheating of the canopy (check air in-and outlet)

**Example: measured values e.g. -> ca. 0.06 amperes run in each fan! As the fans are connected in parallel the power of 5 fans would sum up to 0.3 amperes. If one fan is defective then the power consumption rises to ca. 1.2 amperes or more.**

## E 010 System message: temperature fuse ( Lightvision Bluevision and Spectra)

- Possible error sources are:
  1. check the temperature fuse at the rear side of the canopy

## E 011 System message: temperature fuse for the canopy

- (only for Soltron Z-40/45, X-50/60 and Electronic III)
- If the temperature fuse 60° C / 140° F (70° C / 158° F for Twin Power) in the canopy (lamp plate) has switched off then this system message is displayed.
- Possible error sources are:
  1. PCB defective or not connected
  2. defective contact or wiring broken
  3. overheated sunbed

## E 012 System message: temperature fuse for base

- (only for Soltron Z-40/45, X-50/60)
- If the temperature fuse 70° C / 158° F at the foot end in the base (lamp plate – near lamp sockets) has switched off then this system message is displayed.
- Possible error sources are:
  1. PCB defective or not connected
  2. defective contact or wiring broken
  3. overheated sunbed
  4. problems in the air exhaust system

## E 013 System message: air outlet temperature sensor for canopy

- This message is shown when the air inlet temperature has risen above 70° C / 158° F for more than 3 minutes.
- Possible error sources are:
  1. PCB defective or not connected
  2. defective contact or wiring broken
  3. overheated sunbed
  4. problems in the air exhaust system

## E 014 System message: air inlet temperature sensor

- This message is shown when the air inlet temperature has risen above 45° C / 113° F for more than 3 minutes.
- Possible error sources are:
  1. PCB defective or not connected
  2. defective contact or wiring broken
  3. overheated sunbed (air inlet filter polluted)
  4. valve warm air return is always open (warm air is blown into the cabin)

## E 015 System message: temperature sensor air circulation for unit's cooling

- (only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- This message is shown when the temperature sensor at the air circulation fan is > 55° C / 131° F (Air circulation fan right of unit's air conditioning) -> Check air inlet filter and fan respectively.

## E 016 System message: temperature sensor capacitor air conditioning system

- (only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- This message is shown when the temperature sensor for the conditioning condensate is > 70° C / 158°

## E 017 System message: temperature sensor air inlet

- (only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- This message is shown when the temperature sensor for the air inlet is > 70° C / 158° F (position of the Sensor behind unit's air conditioning – visible from above when air inlet has been disassembled) -> air Short-circuit air inlet / outlet possible





## E 018 System message: lamp temperature < room temperature

- [\(only for Classic 475 and Avantgarde\)](#)
- This message is shown when the temperature sensor for the air inlet has a higher temperature than the lamp temperature sensor. Please check the plug connections and the sensors respectively.

## E 019 System message: lamp temperature > room temperature + 30° C / 86° F

- This message means that the lamps' temperature is higher than the room temperature + 30° C / 86° F. **Example: Lamp temperature of 60° C / 140° F > room temperature of 25° C / 77° F + 30° C / 86° F.**
- Possible error sources are:
  1. room temperature is too low
  2. lamps are too strong
  3. overheated sunbed
  4. problems in the air exhaust system

## E 020 System message: filter glass facial tanner (canopy center and rear)

- [\(only for Avantgarde\)](#)
- Please check filter glass' safety loop.

## E 021 System message: filter glass facial tanner (canopy in front)

- [\(only for Electronic III and for Avantgarde\)](#)
- Please check filter glass' safety switch.

## E 022 System message: filter glass facial tanner (side section) / canopy temperature fuse (together with E064)

- [\(Alone E022 only for Electronic III, Classic and Premium 4 Stars!\)](#)
- Please check filter glass' safety switch.
- [\(If together E022 with E064 -> only for Prestige since 2014!\)](#)
- Canopy temperature fuse / exhaust air (55°) has tripped.
- Possible error sources are:
  1. overheated sunbed
  2. problems with the exhaust and supply air

## E 023 System message: filter glass facial tanner (canopy and side section)

- [\(only for Soltron X/Z and Premium 4 Stars\)](#)
- Please check filter glass' safety switch.

## E 024 System message: filter glass facial tanner (canopy center, rear and front)

- [\(only for Classic 500/600, Inspiration 400 / SoltronS-50\)](#)
- Please check filter glass' safety switch.

## E 025 System message: filter glass facial tanner (canopy center, rear, front and side- section)

- [\(only for Classic 500/600, Inspiration 450 / SoltronS-55\)](#)
- Please check filter glass' safety switch.

## E 027 System message: filter glass facial tanner (canopy rear)

- [\(only for Electronic III\)](#)
- Please check filter glass' safety switch.

## E 028 System message: filter glass facial tanner (canopy center)

- [\(only for Electronic III\)](#)
- Please check filter glass' safety switch.

## E 029 System message: Timeout automatic switch off facial tanner barrier

- [\(only for Open Sun 550\)](#)
- Check the automatic switching off system of the high-pressure units.



## E 030 System message: safety switch acrylic panel canopy (or glass bonnet Avantgarde)

- (for Soltron X/Z, Avantgarde and Ergoline-Lounge)
- Please check safety loop for acrylic panel and covers of canopy respectively.  
**Note:** For the stand-up tanner the system message means that the safety switch of the two doors on the left has switched.

## E 031 System message: safety switch acrylic panel base or tank base

- (for Soltron X/Z, Avantgarde and Open Sun 600 and Ergoline-Lounge)
- Please check safety loop for acrylic panel and tank base respectively.  
**Note:** For the stand-up tanner the system message means that the safety switch of the two doors on the right has switched.

## E 032 System message: safety switch acrylic panel (canopy - side section – base – tank or shoulder tanner)

- (only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- Please check safety loop for acrylic panel and tank base respectively.

## E 034 System message: safety switch acrylic panel (canopy – side section – base – tank or shoulder tanner)

- (only for Classic 500/600)  
Please check safety loop for acrylic panel and tank base respectively

## E 035 System message: safety switch acrylic panel (canopy – base – side section or shoulder tanner)

- (only for Ergoline Premium 4 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- Please check safety loop for acrylic panel and tank base respectively

## E 036 System message: safety switch acrylic panel base or tank base

- (only for Electronic III, Premium 4 Stars and Open Sun 450)
- Please check safety loop for acrylic panel and tank base respectively **Note:** For Electronic III only acrylic panel base

## E 037 System message: safety switch acrylic panel canopy or side section

- (only for Classic 475 and Open Sun 450)
- Please check safety loop for acrylic panel and tank base respectively

## E 038 System message: safety switch acrylic panel base or tank base

- (only for Classic 475 and stand-up tanner)
- Please check safety loop for acrylic panel and tank base respectively

## E 039 System message: safety switch acrylic panel shoulder tanner

- (only Electronic III and II)
- Please check safety switch of shoulder tanner housing.
- In the Open Sun Pilot, the message shows the open switch of the seat shell.  
**Note:** For Electronic III the shoulder tanner's two temperature fuses (100° C / 212° F) are also connected in series (Here the air hose to the shoulder tanner could be the problem).

## E 040 System message: air flow switch does not switch on

- Air flow switch of the main fan has not turned on.
- Possible error sources are:
  1. air flow switch is defective (function can be checked in the Service PC's relay test)
  2. cable connection to the air flow switch is defective
  3. main fan or main fan's capacitor is defective
  4. defect of PCB speed control
  5. increased counter pressure in the air outlet unit
  6. main fan's rotation speed set too slow (only for Electronic II)**Note:** (for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)  
As the temperature sensor is connected in series with the air flow switch, this system message can also be shown for a defective temperature sensor (or temperature >50° C / 122° F).



## **E 041 System message: air flow switch does not switch off**

- Air flow switch of the main fan has not turned off although the sunbed is in „stand-by mode“.
- Possible error sources are:
  1. air flow switch is defective (function can be checked in Service PC's relay test)
  2. main fan is running due to low pressure in the studio

## **E 042 Warning: air flow switch does not switch on (increasing rotation speed by 10%)**

- (only for Electronic I)
- If the air flow switch is not pulled at unit's start-up then the main board's software repeatedly increases the main fan's rotation speed by 10%.  
**Note: Displayed only in Service PC (e.g. from 35% to 45%).**

## **E 050 System message: safety switch front panel front (top) (only for Open Sun 600)**

Please check front panel's safety loop.

## **E 051 System message: safety switch rear panels rear (top)**

- (only for Open Sun 600)
- Please check rear panels' safety loop.

## **E 052 System message: opening mechanism arm > 45 seconds**

- (only for Open Sun 600)
- This error message is shown when the front arm in the canopy does not reach its end position within 45 seconds after unit's start-up.

## **E 053 System message: filter glass high-pressure units upper body (3 - 4 - 5 - 8 - 9 - 10)**

- (only for Open Sun 600)
- Please check safety loop of the six temperature fuses and filter glass switch in upper body area.

## **E 054 System message: filter glass high-pressure units lower body (1 - 2 - 6 - 7)**

- (only for Open Sun 600)
- Please check safety loop of the four temperature fuses and filter glass switch in lower body area.

## **E 055 System message: malfunction high-pressure unit 1 (front)**

- (only for Open Sun 550 and 450)
- Please check safety loop of temperature fuse and filter glass switch of high-pressure unit in the front.

## **E 056 System message: malfunction high-pressure unit 2 (rear)**

- (only for Open Sun 550 and 450)
- Please check safety loop of temperature fuse and filter glass switch of high-pressure unit in the rear.

## **E 057 System message: malfunction high-pressure unit 17 (canopy - front / see next drawing)**

- (only for Electronic III and II)
- Facial tanner's safety loop interrupted. Please check safety switch or temperature fuse.  
**Note: For Electronic III the temperature fuse and/or the filter glass switch may have switched.**

## **E 058 System message: malfunction high-pressure unit 18 (canopy - center / see next drawing)**

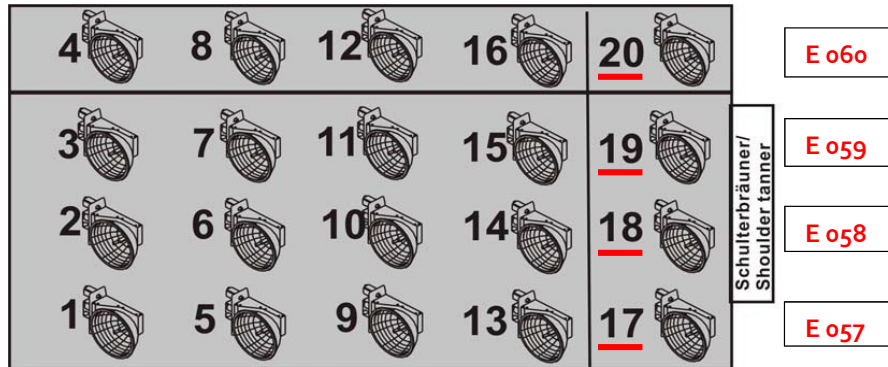
- (only for Electronic III and II)
- Facial tanner's safety switch interrupted. Please check safety switch or temperature fuse.  
**Note: For Electronic III the temperature fuse and/or the filter glass switch may have switched**

## **E 059 System message: malfunction high-pressure unit 19 (canopy - rear / see next drawing)**

- (only for Electronic III and II)
- Facial tanner's safety loop interrupted. Please check safety switch or temperature fuse.  
**Note: For Electronic III the temperature fuse and/or the filter glass switch may have switched.**

## E 060 System message: malfunction high-pressure unit 20 (side section / see next drawing)

- (only for Electronic III and II)
- Facial tanner's safety loop interrupted. Please check safety switch or temperature fuse.  
**Note:** For Electronic III the temperature fuse and/or the filter glass switch may have switched.



## E 061 System message: safety switch acrylic panel canopy and cover canopy

- (only for Electronic III and II)
- Please check safety loop of acrylic panel of canopy and cover of canopy respectively.  
**Note:** For Electronic III possible temperature fuses (55-60-70° C / 140-158° F) are connected in series as well.

## E 062 System message: safety switch acrylic panel base and side section

- (only for Electronic III and II)
- Please check safety loop of acrylic panel of base and side section respectively

## E 063 System message: safety switch acrylic panel side section

- (only for Electronic III)
- Please check safety loop of acrylic panel of side section.  
**Note:** For Ergoline Ambition and Soltron XS-35 all safety switches are connected in series.

## E 064 System message: safety switch cover canopy / temperature fuse canopy (together with E022)

- (only for Electronic III)
- Please check safety loop in the canopy cover.
- (If together with E022 -> only for Prestige since 2014!)
- Canopy temperature fuse/exhaust air (55°) has tripped.
- Possible error sources are:
  1. overheated sunbed
  2. problems with the exhaust and supply air

## E 065 System message: safety switch acrylic panel canopy

- (only for Electronic III)
- Please check safety loop of the canopy acrylic panel.

## E 066 System message: safety switch acrylic panel canopy / temperature fuse canopy

- (only for Affinity devices as of 2014!)
- Check the safety circuit of the canopy acrylic panel and the canopy temperature fuse (2x70° on the lamps, 1x60° in the canopy exhaust duct).
- The temperature fuses must be reset using a button, this does not occur automatically.
- Possible error sources are:
  1. overheated sunbed
  2. problems with the exhaust and supply air

## E 067 System message: safety switch doorservice room

- (only for Sunrise 6200 / 7200)
- Please check safety loop of the door from the Service room
- Please check the plug on the PCB

**E 070 System message: malfunction high-pressure unit 1 (foot - front / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 071 System message: malfunction high-pressure unit 2 (foot - center / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 072 System message: malfunction high-pressure unit 3 (foot - rear / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 073 System message: malfunction high-pressure unit 4 (foot - side section / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 074 System message: malfunction high-pressure unit 5 (legs - front / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 075 System message: malfunction high-pressure unit 6 (legs - center / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 076 System message: malfunction high-pressure unit 7 (legs - rear / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 077 System message: malfunction high-pressure unit 8 (legs - side section / see next drawing)**

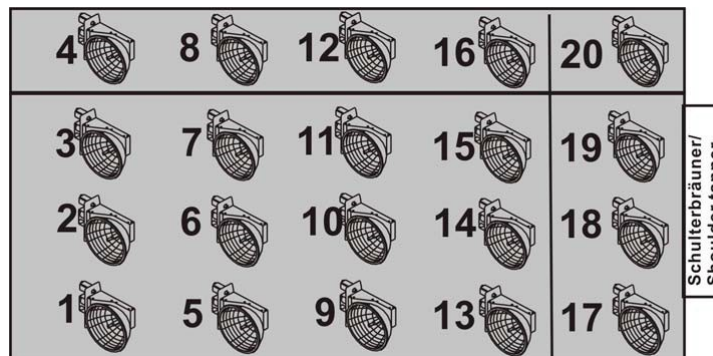
- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 078 System message: malfunction high-pressure unit 9 (body - front / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.

**E 079 System message: malfunction high-pressure unit 10 (body - center / see next drawing)**

- (only for high-pressure units)
- Safety switch of facial tanner interrupted. Please check safety switch or temperaturefuse.





## E 080 System message: malfunction high-pressure unit 11 (body - rear / see last drawing)

- [\(only for high-pressure units\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch or temperature fuse.

## E 081 System message: malfunction high-pressure unit 12 (body - side section / see last drawing)

- [\(only for high-pressure units\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch or temperature fuse.

## E 082 System message: malfunction high-pressure unit 13 (upper body - front / see last drawing)

- [\(only for high-pressure units\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch or temperature fuse.

## E 083 System message: malfunction high-pressure unit 14 (upper body - center / see last drawing)

- [\(only for high-pressure units\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch or temperature fuse.

## E 084 System message: malfunction high-pressure unit 15 (upper body - rear / see last drawing)

- [\(only for high-pressure units\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch or temperature fuse.

## E 085 System message: malfunction high-pressure unit 16 (upper body - side section / see last drawing)

- [\(only for high-pressure units\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch or temperature fuse.

## E 086 System message: temperature fuse monitor Multivision unit

- [\(only for units with Multivision unit\)](#)
- Temperature fuse from the monitor (55°) has tripped.
- Possible error sources are:
  1. The ventilation grid below the monitor housing is blocked.

## E 087 System message: temperature fuse Segment right

- [\(only for Sunrise 6200 / 7200\)](#)
- Temperature fuse from the segment right has tripped.
- Possible error sources are:
  1. Check incoming and outgoing air
  2. Temperature fuse Check and reset manually.

## E 088 System message: temperature fuse door right side

- [\(only for Sunrise 6200 / 7200\)](#)
- Temperature fuse from the door right side has tripped.
- Possible error sources are:
  1. Check incoming and outgoing air
  2. Temperature fuse Check and reset manually.

## E 090 System message: emergency switch off time exceeded

- [\(only with old devices that have a double seven segment display\)](#)
- This system message is shown when the maximum tanning time has been exceeded.

## E 091 System message: I<sup>2</sup>C-Bustransmission error

- [\(only with old devices that have a double seven segment display\)](#)
- This system message is shown in case of a short circuit of the equipment bus.

## E 092 System message: wiring power error in the safety chain

- [\(only with old devices that have a double seven segment display\)](#)  
This system message is a logical error, i.e. when power is connected to some point of the safety chain but this should not be the case, e.g. because of an open safety switch (wiring or connection error).



## E 095 System message: additional controller

- (only with old devices that have a double seven segment display)
- The additional controller is defective or the communication with the main controller is interrupted.

## E 100 System message: emergency switch-off time exceeded

- This system message is shown when the maximum tanning time has been exceeded.  
**Note: The time set by the studio control / coin box should be 1 minute less than the sunbed's emergency switch-off time! If the coin box signal or start signal Service-PC are still on, you can't reset the system message.**
- (only for Electronic II)
- If the error occurs at the start of the session, the control software and the voice guide texts must be updated.

## E 101 System message: I<sup>2</sup>C-Bus transmission error

- This system message is shown in case of a short circuit of the equipment bus.
- Possible error sources are:
  1. connection of ground and SDA
  2. connection of ground and SCL
  3. connection SCL and SDA
  4. defect of a PCB in equipment bus
  5. for Electronic III, mounting the PCB set 1017631-00

## E 102 System message: wiring power error in the safety chain

- This system message is a logical error, i.e. when power is connected to some point of the safety chain but this should not be the case, e.g. because of an open safety switch (wiring or connection error).
- Possible error sources are:
  1. control plugs and sockets (correct allocation)
  2. eventual defect of the I/O-PCB

## E 103 System message: malfunction audiounit

- This system message is generally displayed in case of problems with the audio controller PCB.
- At Electronic III is the one system message (interruption of the session).
- At Electronic II is the new warning message.
- Possible error sources are:
  1. defect of the audio controller PCB (for Electronic I)
  2. defect of a CD ROM / MP3 drive (for Electronic I)
  3. defect of the audio amplifier PCB (for Electronic II)
  4. defect of the audio control (for Electronic III)
  5. audio controller is activated in the Service PC's unit equipment although the sunbed does not have a
  6. Shoulder tanner (for Electronic III and II)
  7. PCB sound reduction and amplifier PCB (Electronic II) are activated in the Service PC
  8. base is open in the Affinity units

## E 104 System message: lamp chip card error

- (only for units with electronic ballasts)
- This system message is shown when a problem occurs with the lamp chip card of the control PCB of the electronic ballasts. Either the control PCB of the electronic ballasts or the chip card is defective or not connected correctly.
- Possible error sources are:
  1. one chip card is missing or defective
  2. two identical or wrong chip cards are being used
  3. no card is inserted
  4. the card-reader PCB or the flat cable are defective
  5. the card-slot is dirty
  6. the maximum of lamp hours is reached

**Note: The cards may only be pulled or plugged when the fuse is switched off.**

## E 105 System message: additional controller

- The additional controller is defective or the communication with the main controller is interrupted.
- Possible error sources are:
  1. the additional controller is defective (on Electronic II and III)
  2. PCB main control or mainboard is defective



## E 106 System message: PCB air condition / Climatronic

- The PCB air condition / Climatronic is defective or the communication with the main controller is interrupted.
- Possible error sources are:
  1. PCB Climatronic may be defective or not connected
  2. Climatronic is activated but not present in the device
  3. internal bus communication is faulty
  4. the pull-up filter on the main board is defective or missing

## E 107 System message: PCB facial tanner control

- The facial tanner's fan control PCB is defective or the communication with the main controller is interrupted.
- Possible error sources are:
  1. PCB Climatronic may be defective or not connected
  2. the slot extension PCB or wiring may be defective (only in Affinity units)
  3. internal bus communication is faulty
  4. the pull-up filter on the main board is defective or missing

## E 108 System message: Current measuring board fault (E4)

- Possible error sources
  - Only for Electronics IV
  - The communication with the current measurement board is interrupted or not correct.
  - defective or not connected board
  - Bus communication faulty (e.g. faulty circuit board)

## E 108 System message: malfunction PCB rotation speed control 1 (slot 5)

- ([only for Electronic II](#))
- The rotation speed control PCB 1 is defective or the communication with the main controller is interrupted.
- Maybe is the PCB is in the wrong slot (in units with only one PCB rotation speed control).

## E 109 System message: malfunction PCB rotation speed control 2 (slot 6)

- ([only for Electronic II](#))
- The rotation speed control PCB 2 is defective or the communication with the main controller is interrupted.
- Maybe is the PCB is in the wrong slot (in units with only one PCB rotation speed control).

## E 110 System message: Aroma / Aqua-Fresh Controller

- The Aqua-Fresh PCB controller is defective or the communication with the main controller is interrupted.
- Possible error sources are:
  1. PCB Aroma/Aqua-Fresh may be defective or not connected
  2. Aroma/Aqua-Fresh is activated but not present in the device
  3. internal bus communication is faulty
  4. the pull-up filter on the main board is defective or missing

## E 111 Warning: Audioamplifier

- ([only for Electronic II](#))
- The audio amplifier PCB is defective or the communication with the main controller is interrupted.

## E 112 Warning: channel selection

- ([only for Electronic II](#))
- The channel selection controller is defective or the communication with the main controller is interrupted.

## E 113 System message: malfunction real-time clock

- ([only for Electronic I and II](#))
- This system message indicates a defective main board, i.e. the internal bus communication is defective.





## E 114 System message: malfunction equipmentpass / parameter memory

- [\(only for Electronic II and III\)](#)
- For [Electronic II](#) this system message indicates a defective SlotPCB, i.e. the internal bus communication is defective.
- For [Electronic III](#) this system message indicates a defective main board, or the equipment passport is defective or has not been inserted.
- Possible error sources are:
  1. the equipment passport is defective, missing or empty
  2. the card slot is broken or dirty
  3. the mainboard is defective
  4. the software is an old version

## E 115 System message: PCB electronic ballasts control

- [\(only for units with electronic lampballasts\)](#)
- The electronic ballasts control PCB is defective or the communication with the main controller has been interrupted.
- Possible error sources are:
  1. the function is activated but the PCB is not present

## E 116 System message: PCB high-pressure fan control

- [\(only for units with high-pressure facialtanner\)](#)
- The high-pressure fan control PCB is defective or the communication with the main controller has been interrupted.

## E 117 System message: data communication to the USB interface faulty

- [\(only for devices with the Multivisionunit\)](#)
- Check the plug connectors or replace the USBinterface.

## E 118 System message: data communication to the MV unit faulty

- [\(only for devices with the Multivisionunit\)](#)
- Check the plug connectors or replace the Multivisionbox.

## E 119 System message: malfunction data communication cockpit control

- [\(only for ElectronicIII\)](#)
- This message is shown when the data communication via the equipment bus to the display unit is defective
- Possible error sources are:
  1. PCB display is defective or not connected (or another PCB in the bus)
  2. the cable to the display is broken

## E 120 System message: malfunction sensor missing

- [\(only for Electronic III and II with IQ Sensor\)](#)
- This system message is shown when there is no communication between the base station and the measuring sensor.
- Possible error sources are:
  1. missing sensor
  2. defect of the controller in the sensor (by E III), or in the station (by E II)
  3. fuse defect of the base station
  4. problems in the Bus system (connectors, voltage below 4,8V)

## E 121 System message: calibration required

- [\(only for Electronic III and II with IQ Sensor\)](#)
- This system message is generated because the sensor has to be calibrated every 30 days (electronic II) or 90 days (electronic III).
- The system message also appears when a new sensor has been installed.
- After the sensor has been calibrated, the message can be reset.



## E 122 System message: calibration failed

- [\(only for Electronic III and II with IQ Sensor\)](#)
- This system message is shown when the sensor's calibration has failed. The calibration can be carried out again.
- Possible error sources are:
  1. dirty sensor or calibration surface
  2. incorrect calibration (Follow the instructions)

## E 123 System message: validation failed

- [\(only for Electronic III and II with IQ Sensor\)](#)
- After the tanning session the sensor carries out an automatic self-check with the base station. If the difference with the calibration value saved in the software is too big then this system message appears. The sensor should be checked for cleanness and cleansed again.
- Possible error sources are
  1. incorrect calibration (Follow the instructions)

## E 124 Warning: data communication with the sensor defective

- [\(only for Electronic III and II with IQ Sensor\)](#)
- This system message is shown when within the sensor different parameters give wrong values.
- Possible error sources are:
  1. the operating voltage is too low
  2. internal error in the sensor

## E 125 Warning: tanning in normal mode

- [\(only for Electronic III and II with IQ Sensor\)](#)
- The message is only made in the Service PC when a tanning session in normal mode has been started.
- A possible cause could be false measurements.

## E 126 System message: mains voltage faulty

- [\(only for Electronic II Automatic Power Series\)](#)
- When starting the tanning session a phase check is carried out via the lamp ballasts control PCB. This system message appears in case of an under voltage of the three connected phases.
- Possible error sources are:
  1. defect of the lamp ballasts control PCB
  2. one phase missing
  3. main conductor has not switched on

**Note:** The system voltage is measured after the start of the tanning session as the power is only connected to the PCB after switching on K1.

## E 127 System message: PCB conventional ballasts control

- [\(only for Electronic II Automatic Power Series\)](#)
- The controller on the PCB ballasts control is defective or the communication with the main controller has been interrupted.
- Possible error sources are:
  1. PCB is defective or not connected correctly
  2. the function is activated but the PCB is not present

## E 128 System message: voltage too low

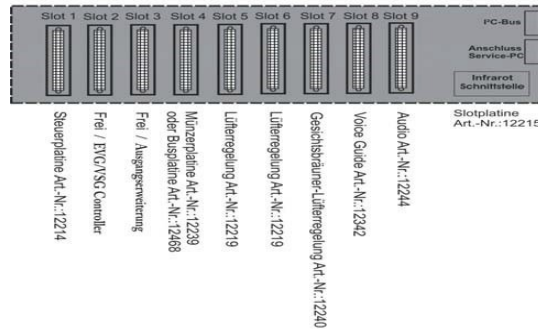
- [\(only for Electronic III\)](#)
- If due to an under voltage of the connected phases the sunbed is switched off during a tanning session then the system message appears in the display (the 24 to 33 volts control voltage of the transformer should be connected).

## E 129 System message: Operating hours Aquafresh finished

- Replace the Aquafresh-canister and reset the operating hours via the PSM mode.

## E 130 System message: equipment mistake of the slot PCB

- (only for ElectronicII)
- This system message indicates an equipment mistake of the slot PCB. Please check if the installed PCBs are plugged in the correct order!



## E 131 System message: data communication additional controller

- (only for ElectronicII)
- If the additional controller receives no data from the main controller then the sunbed switches off with this system message. Causes for this can be a defective main board or a software problem.

## E 132 System message: start-up inspection of the UV sources

- This system message is shown when the output voltage of each switched conductor/relay is not connected to the PCB Start-up inspection (thus all UV sources are checked for correct switching).
- The message can also be displayed in the case of errors on the In/Output PCB for other devices.
- Possible error sources are:
  1. defect of the PCB Start-up inspection
  2. defect of the main PCB
  3. defect of the PCB In/Output
  4. defect of the feed line to the relay / conductor
  5. defect of a relay (closer contact on relay K3, K4, K5, K6, K11, K12 or K14)
  6. defect of the return cable (from the relay to the PCB start-up-inspection)
  7. defect of the main contactor K1
  8. disturbance of the equipment bus
  9. a phase of the supply line is missing

## E 133 System message: switch function additional controller rotation speed control

- (only for ElectronicII)
- When the additional controller does not switch on or off the rotation speed control PCB correctly then this message is shown (Probably is the main board defective).

## E 134 System message: malfunction fuse rotation speed

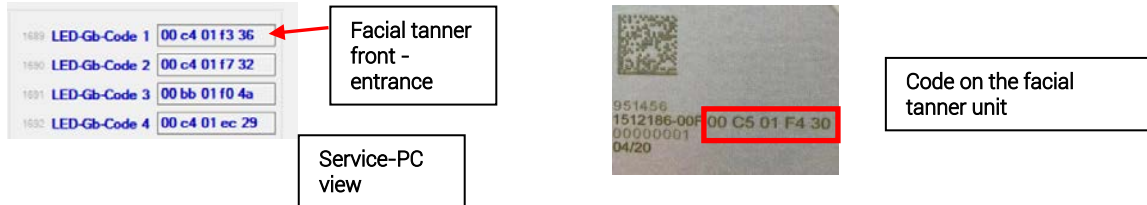
- (only for ElectronicII)
- As the additional controller also controls the rotation speed, it also monitors the fuses of the rotation speed control PCB.
- Possible error sources are:
  1. one of the fuses F1, F2 or F3 on the rotation speed control PCB is defective

## E 135 System message: malfunction power supply rotation speed control

- (only for ElectronicII)
- When the power supply for this PCB is faulty this system message is shown.
- Possible error sources are:
  1. rotation speed control PCB is missing or defective
  2. power supply for the rotation speed control PCB is missing

## E 136 System message: Error current monitoring LED GB

- Only for Electronics IV
- The measured current of one or more LED facial tanners does not match the expected current.
- Possible error sources are:
  1. Defect of the circuit board current monitoring
  2. Defect of a GB unit. (LED panel)
  3. Values of the GB units in the service pc do not match the GB units.



## E 137 System message: Remote control

- (only for Electronic IV)
- The function is active, but there is no connection to the bus system.
- Possible error sources are:
  1. PCB is defective.
  2. no connection to the bus system.

## E 138 System message: E.V.A (Ergoline Voice Assistan)

- (only for Elektornic IV)
- The function is active, but there is no connection to the bus system.
- Possible error sources are:
  1. PCB is defective.
  2. no connection to the bus system.

## E 140 System message: malfunction main conductor does not switch on

- (only for ElectronicII)
- The relay (PCBIn/Output) for the main conductor does not switch on although the additional and the main controller have turned on. This means a signal for the relay's switching on is missing.
- Possible error sources are:
  1. a wiring problem
  2. the I/O PCB may be defective
  3. PCB edge connector of the I/O PCB not plugged correctly (missing neutral or phase conductor)

## E 141 System message: malfunction main conductor does not switch off

- (only for ElectronicII)
- The relay for the main conductor does not switch off although the additional and the main controller have turned off.
- Possible error sources are:
  1. a wiring problem
  2. the I/O PCB may be defective

## E 142 System message: malfunction switch-on cycle main conductor

- (only for ElectronicII)
- In order to switch on the relay for the main conductor, the additional and the main conductor have to have turned on (in series). When only one signal each is connected at the main conductor relays' input from the additional or the main controller, this system message is shown. This message only applies during the tanning session's start and therefore can only be shown during start-up.  
**Note: The test running time in the Service PC might contain a certain time. This has to be reset to "0 minutes" and transmitted.**
- Possible error sources are:
  1. the PCB's In/Output or main board may be defective

## E 143 System message: malfunction difference coin box input

- (only for ElectronicII)
  - In case of a difference between the two coin box input signals (more than 5 seconds) then this system message is displayed.
  - Possible error sources are:
    1. wiring problem / defective plugcontact
    2. defect of the coin box connection or the I/O PCB
- Note: The plug contacts can be checked in the**

Service PC

**E 150 System message: malfunction high-pressure units A 1 - 3 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 1 - 3 interrupted. Please check the safety switch.

**E 151 System message: malfunction high-pressure units A 4 - 6 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 4 - 6 interrupted. Please check the safety switch.

**E 152 System message: malfunction high-pressure units B 7 - 9 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 7 - 9 interrupted. Please check the safety switch.

**E 153 System message: malfunction high-pressure units B 10 - 12 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 10 - 12 interrupted. Please check the safety switch.

**E 154 System message: malfunction high-pressure units C 13 - 15 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 13 - 15 interrupted. Please check the safety switch.

**E 155 System message: malfunction high-pressure units C 16 - 18 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 16 - 18 interrupted. Please check the safety switch.

**E 156 System message: malfunction high-pressure units D 19 - 21 (see next drawing)**

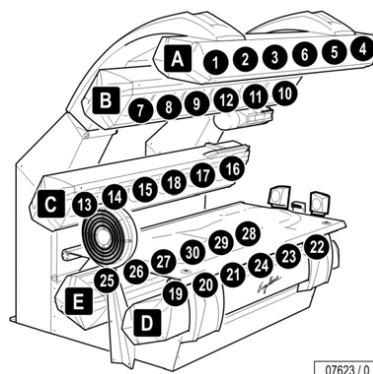
- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 19 - 21 interrupted. Please check the safety switch.

**E 157 System message: malfunction high-pressure units D 22 - 24 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 22 - 24 interrupted. Please check the safety switch.

**E 158 System message: malfunction high-pressure units E 25 - 27 (see next drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 25 - 27 interrupted. Please check the safety switch.



OPEN SUN 1050

**E 159 System message: malfunction high-pressure units E 28 - 30 (see last drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the facial tanners 28 - 30 interrupted. Please check the safety switch.

**E 160 System message: malfunction acrylic panel high-pressure units A 1 - 6 (see last drawing)**

- [\(only for Open Sun 1050\)](#)
- Safety switch of the acrylic panels for facial tanners 1 - 6 interrupted. Please check the safety switch.

## E 161 System message: malfunction acrylic panel high-pressure units B 7 - 12 (see last drawing)

- [\(only for Open Sun 1050\)](#)
- Safety switch of the acrylic panels for facial tanners 7 - 12 interrupted. Please check the safety switch.

## E 162 System message: malfunction acrylic panel high-pressure units C 13 - 18 (see last drawing)

- [\(only for Open Sun 1050\)](#)
- Safety switch of the acrylic panels for facial tanners 13 - 18 interrupted. Please check the safety switch.

## E 163 System message: malfunction acrylic panel high-pressure units D 19 - 24 (see last drawing)

- [\(only for Open Sun 1050\)](#)
- Safety switch of the acrylic panels for facial tanners 19 - 24 interrupted. Please check the safety switch.

## E 164 System message: malfunction acrylic panel high-pressure units E 25 - 30 (see last drawing)

- [\(only for Open Sun 1050\)](#)
- Safety switch of the acrylic panels for facial tanners 25 - 30 interrupted. Please check the safety switch

## E 165 System message: malfunction high-pressure units 1 - 3 (left side - see next drawing)

- [\(only for Open Sun Pilot and ELT 2 -3\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch of the acrylic panel, filter glass and the temperature fuse.
- In the ELT units, all safety switches and temperature fuses are connected in series.

## E 166 System message: malfunction high-pressure units 5 - 7 (right side - see next drawing)

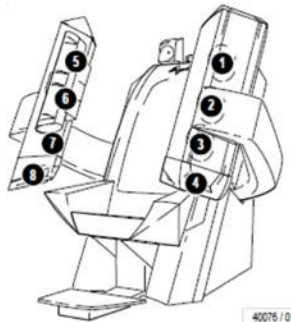
- [\(only for Open Sun Pilot\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch of the acrylic panel, filter glass and the temperature fuse.

## E 167 System message: malfunction high-pressure unit 4 (left side - see next drawing)

- [\(only for Open Sun Pilot\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch of the acrylic panel, filter glass and the temperature fuse.

## E 168 System message: malfunction high-pressure unit 8 (right side - see next drawing)

- [\(only for Open Sun Pilot\)](#)
- Safety switch of facial tanner interrupted. Please check safety switch of the acrylic panel, filter glass and the temperature fuse.



Open Sun Pilot

## E 170 System message: Power supply of the fan control input is missing

- [\(only for Sunrise-units, Soltron V-50/55, Beauty Angel CVT-42\)](#)
- This system message is displayed when the power supply of the fan control inputs at the main board (1502490-xx) is missing.
- Possible error sources are:
  1. the fuse of the fan control has blown
  2. safety switch turned off relay K2
  3. Plug x4 of the main board is not connected

## E 190 System message: missing language in the cockpit control

- [\(only for ElectronicIII\)](#)
- In the display unit of the Electronic III sunbed series 5 languages (English, American English, French, Spanish and German) are installed. If a non-installed language is selected during language update then this system message appears in the display. To remove the system message the language text has to be uploaded from the SD voice guide card.
- For Affinity units since 2014, the language must always be set after assembly.

## E 191 Warning: missing language in the audio controller

- [\(only for ElectronicIII\)](#)
- If this system message is displayed in the display unit then the appropriate language tracks are missing on the SD voice guide card in the shoulder tanner. Here the tracks can only be re-loaded or a new card can be inserted.

## E 192 System message: Timer mode activated

- [\(only for Stand-up Sunrise / Soltron V-series / Flair / Passion / XXS, XS / BeautyAngel CCTPVT-30\)](#)
- Via Service PC the "Timer mode" was activated. In this case, each time the solarium changes to stand-by mode it will check if it can switch its own lamp input via the remote start output. To make this possible, loops have to be set at the X3 connection accordingly. If this is not the case, the error will show. This serves for recognizing an "erroneously" activated mode.

## E 199 Warning: difference of the system time

- [\(only for ElectronicIII\)](#)
- Can be fixed by a master reset. If this unsuccessful, the main board PCB is defective.

## E 200 Warning: malfunction fan electronic component board

- [\(only for Esprit/Prestige units\)](#)
- The software checks the fan's rotation speed. If the fan is defective then this message is displayed (The entry is only made in the Service PC).

## E 201 System message: Device pass defective

- [Only with electronics IV](#)
- Initialization error
- The device pass is defective and must be replaced

## E 202 System message: error during software update

- [\(only for ElectronicIII\)](#)
- If a general error occurs during software update via the SD card then this system message appears in the display. Please check the software versions of the individual components, maybe the SD card.
- Possible error sources are:
  1. Any sort of problem with the SD card itself (broken card, wrong file system, too big – max. 32GB).
  2. Problems with too many files in the main directory. Windows is not clearing a file entry when deleting a file. It will only be marked as deleted. So try to reformat the card before adding the update files.
  3. When an update was already done but without restarting the tanner it will not accept second update. Restart the tanner and try the update again.
  4. Card-reader PCB defective or dirty.
  5. The Software in the units is too old (difference to the new software is too big).

**Note: In most cases a problem occurs if the tank is not closed during the update (only at Affinity units). As the audio control PCB then lacks power supply, the controller cannot be integrated into the updating process. In this case the audio controller's software should be uploaded separately.**

## E 203 System message: Voice Guide texts not up-to-date

- [\(only for Prestige units from the 1000/1200/1400/1600 series\)](#)
- Occurs only when the checksum of the texts does not correspond with the Set point.
- Possible error sources are:
  1. Voice Guide version too old.
  2. Texts on the card have been manipulated.



## E 204 System message: Missing operator identification

- (only for USA units with Electronic III)
- When delivered, the devices are set to neutral. When assembling, these must be changed to Ergoline or Soltron.

## E205 System message software incompatibility

- Only for Electronics IV
- Software between motherboard and watchdogboard is not compatible (software too old)
- Load intermediate software (only save the software of the watchdog board or the main board on an SD card) and use it to update the device. After that, install the actual software.

## E 250 System message: The emergency stop has been pushed.

- The message is only visible in the service PC.

## 40°C Warning: air inlet temperature above 40° C / 104° F

- (only for Ergoline Premium 4/5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- If the air inlet temperature is >40°C / 104° F then this warning is displayed after the end of the tanning session.
- Possible error sources are:
  1. air inlet too warm (air inlet from cabin)
  2. temperature sensor is defective, or not plugged (wiring broken)
  3. air outlet and inlet too close together (air short-circuit – only for 5 Stars)

**Note:** In the 4 stars sunbed series the air inlet's temperature sensor is situated behind the front panel! In the 5 stars sunbed series the sensor is behind the unit's air condition.

## 50°C Warning: air circulation or lamp temperature above 50° C / 122° F

- (only for Ergoline Premium 4/5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- If the temperature of the air circulation / lamp temperature sensor is >50°C / 122° F then the warning is displayed after the end of the tanning session.
- Possible error sources are (for 4Stars):
  1. The temperature sensor in the third bellow from the right side is defective or not connected (wiring broken).
- Possible error sources are (for 5Stars):
  2. The temperature sensor at the air circulation fan right of the air condition is defective or not connected (wiring broken).
  3. If the air condition is not permeable (dusty - dirty) then the temperature at the sensor might rise as well.
  4. Lamp cover head and foot end in the base have been exchanged. The heavier cover is installed at the head end and the lighter cover at the foot end.

## 25 b Warning: pressure of air condition above 25 bar

- (only for Ergoline Premium 5 Stars – Sunpoint 1st Generation – Methling Mach 1 and 2)
- The pressure of the air condition is higher than 25 bar. This is only a warning message - if the pressure rises even more >28 bar then system message E003 appears.  
**Info:** At 37° C / 98,6° F air inlet temperature the air condition works at the edge of 25 bar.

## Door Warning: stand-up tanner's door open

- (only for Electronic II stand-up tanner – Ergoline Lounge)
- This system message appears when one of the two inner doors of the stand-up tanner has been open for more than 3 minutes. Please check the doors or maybe the safety switch.





## System message: SD-card symbols in the display

- (Only for devices with the glass display – inside and control center - outside)



- The micro SD-card is missing or defective (inside or outside).



- The folder with the graphic files in the language selected is missing on the micro SD-card or cannot be read. Perhaps is the card defective or the files are destroyed.

```

U23,9          T24,0
BOOT -> 1503899 V 0.08
PROG -> 1508301 V 2.01

ERGOLINE
TYPE -> 034 SIZE -> 000
LANGUAGE -> de 1
    
```

- If the Software and language version is shown, the display does not have a bus connection to the control.

### 1 ST **Warning: unit was running in safety mode during the last session**

- (only for skin sensor devices)
- Is show in the display after the tanning session and entered in the service PC. Serves as a display that the last user has tanned in minimum mode (without sensor measurement). Is displayed with intended selection or also with a completely failed skin measureme



## Symbol description Display



- **Tubes(1001h)**
- The symbol can only be reset by recharging the lamp hours (NFC).



- Bulb(501h)
- The symbol can be reset by resetting the hours in the PSM menu.



- Shoulder tanner(501h)
- The symbol can be reset by resetting the hours in the PSM menu.



- Filter(51h)
- The symbol can be reset by resetting the hours in the PSM menu.



- Filter A/C(51h)
- The symbol can be reset by resetting the hours in the PSM menu.