



# Product Guide

*For a Quick Reference to S-Link Alarm Codes*

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**LANGUAGE:**

Before seeking assistance at the help desk from your Sleipner dealer/ distributor, please perform these tests.

**(NB: All checkpoints and solutions must be carried out after consulting the relevant information elsewhere in this manual to understand how the system is intended to work. If you are unable to understand what to check, you must consult a professional.)**

| Alarm code | Errors shown on display | Auto Rest | Ext. buzzer activation at Alert Level <sup>1</sup> | Description   | Action   |
|------------|-------------------------|-----------|--|---|--|
| 1          | Motor Overcurrent       |           | 2 <sup>(2)</sup> , 3                               | Motor current too high.   | "Thruster must be serviced by authorized personnel, reset or power OFF/ON PPC <sup>(1)</sup> ."                      |
| 2          | Motor Overtemp          | Yes       | 2 <sup>(2)</sup> , 3                               | "Motortemp has been over 120°C/248°F."  | Motor cool down below 110°C /230°F.  |
| 3          | Controller Overtemp     |           | 2 <sup>(2)</sup> , 3                               | "PPC <sup>(1)</sup> temp has been over 80°C/176°F."   | PPC <sup>(1)</sup> cool down below 45°C/113°F.   |
| 4          | Controller Overtemp     |           | 2 <sup>(2)</sup> , 3                               | "SR150000 temp has been over 80°C/176°F."   | SR150000 cool down below 45°C /113°F.  |
| 5          | Low Voltage             |           | 2 <sup>(2)</sup> , 3                               | Low motor voltage alarm when motor is running.<br>12V thruster below 8.00V<br>24V thruster below 12.00V | Recharge battery, reset or power OFF/ON device.  |
| 6          | Thermoswitch            |           | 2 <sup>(2)</sup> , 3                               | Thermo switch input is activated and there is an open circuit.  | The thruster needs to cool down before operating again.  |
| 7          | IPC Error               |           | 2 <sup>(2)</sup> , 3                               | Motor relay fault   | "Turn off thruster battery main switch. Thruster must be serviced by authorized personnel."                          |
| 8          | Critical Error          |           | 2 <sup>(2)</sup> , 3                               | PPC <sup>(1)</sup> output fail  | PPC <sup>(1)</sup> must be sendt for service.  |
| 9          | Low Motor Current       |           | 2 <sup>(2)</sup> , 3                               | Thruster uses no power  | Check thruster connections or motor dead!  |
| 10         | Motor Contactor         |           | 2 <sup>(2)</sup> , 3                               | No current on motor relay coil.   | Check motor relay connections, short circuit or relay dead!  |
| 11         | System Error            |           | 2 <sup>(2)</sup> , 3                               | Fatal error   | Device must be serviced by authorized personel   |
| 12         | No Communication        |           | 2 <sup>(2)</sup> , 3                               | No communication with device  | Check S-Link cables and power connections.   |
| 13         | Motor Temp Sensor       |           | 2 <sup>(2)</sup> , 3                               | Motor temperature sensor fail   | Check for an open circiut on the temp sensor on the motor  |
| 14         | Supply Voltage Fault    |           | 2 <sup>(2)</sup> , 3                               | No power  | Check power connections  |
| 15         | Fuse Blown              |           | 2 <sup>(2)</sup> , 3                               | Fuse blown  | Replace fuse or check if main cable from battery and main cable to thruster has been switched                        |
| 16         | Manual Override         | Yes       | 2 <sup>(2)</sup> , 3                               | Main switch manually overridden   | Pull main switch   |
| 17         | Motion OUT Fault        |           | 2 <sup>(2)</sup> , 3                               | Retract obstructed while deploying  | Turn off all panels. Go for lower speed/deeper water and retry.  |
| 18         | Motion IN Fault         |           | 2 <sup>(2)</sup> , 3                               | Retract obstructed while retracting   | Turn panel on and manually override main switch. Remove obstruction and try again.                                   |
| 19         | Actuator Fault          |           | 2 <sup>(2)</sup> , 3                               | Actuator not getting any power  | "Check actuator connection or power to actuator. Reset alarm in alarm menu on PJC 211/212/221/222 or recycle power." |
| 20         | Pos.Sensor Fault        |           | 2 <sup>(2)</sup> , 3                               | Retract position sensor fail  | Check position sensor cables and for sensor damage.  |
| 21         | In Service Mode         | Yes       | 2 <sup>(2)</sup> , 3                               | "Retract controller in service mode. Switch no. 4 is ON."   | Check dipswitch setting on retract control box.  |
| 22         | High Oil Temp           | Yes       | 1, 2 <sup>(2)</sup> , 3                            | "Hydraulic oil temperature is higher than 75°C /167°F."   | "Stop running and wait for temperature to drop. Check if cooling pump is running."                                   |

Notes:

1. PPC520, PPC820, PPC840 & PPC800

2. Buzzer is only activated when any thruster device is operated. (Sending thrust on the S-link bus.)

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|------------|-------------------------|-----------|--|---|--|
| 23         | Low Oil Level           |           | 1, 2 <sup>(2)</sup> , 3                            | Hydraulic oil level is to low   | Fill more hydraulic oil to the hydraulic tank.   |
| 24         | Warning Return Filter   | Yes       | 2 <sup>(2)</sup> , 3                               |   | Return filter element required replacing.  |
| 25         | Warning Pressure Filter | Yes       | 2 <sup>(2)</sup> , 3                               |   | Pressure filter element required replacing.  |
| 26         | Warning High Speed      | Yes       | 1, 2 <sup>(2)</sup> , 3                            | "WARNING! High Speed. Stabilizer not active!"   |  |
| 27         | Stabilizer Fault        | Yes       | 1, 2 <sup>(2)</sup> , 3                            | Any Stabilizer alarm.   | See stabilizer panel for more info.  |
| 28         | AC Motor Overtemp       | Yes       | 1, 2 <sup>(2)</sup> , 3                            | "Hydraulic AC motor power pack overtemp. Higher than 120°C/248°F."  | Stop running and wait for temperature to drop.   |
| 29         | AC Motor Sensor Fail    |           | 2 <sup>(2)</sup> , 3                               | "Hydraulic AC motor power pack temp sensor open circuit"  | Check sensor cables.   |
| 30         | Temperature Warning     | Yes       | 2 <sup>(2)</sup> , 3 <sup>(2)</sup>                | High temperature warning.   | Warns that the motor temperature is getting high.  |
| 31         | Motor Overtemp          | Yes       | 1, 2 <sup>(2)</sup> , 3                            | High temperature Alarm.   | See SAC manual for more details.   |
| 32         | VFD Warning             | Yes       | 2 <sup>(2)</sup> , 3                               | There is an warning from VFD.   | Check VFD for more details.  |
| 33         | VFD Not Ready           | Yes       | 2 <sup>(2)</sup> , 3                               | The VFD is not ready.   | Check VFD for more details.  |
| 34         | VFD Fault               |           | 1, 2 <sup>(2)</sup> , 3                            | VFD has an Alarm.   | Check VFD for more details.  |
| 35         | Warning Low Voltage     | Yes       | 2 <sup>(2)</sup> , 3 <sup>(2)</sup>                | Low motor voltage warning when motor is running.<br>12V thruster below 9.30V<br>24V thruster below 17.50V |  |
| 36         | Not Calibrated          | Yes       | 2 <sup>(2)</sup> , 3                               | Shaft Not Calibrated  | See manual for how to calibrate.   |
| 37         | VFD Com. Fault          |           | 2 <sup>(2)</sup> , 3                               | No Modbus communication with VFD  | Check VFD Modbus cables and power.   |
| 38         | Cooling Fan Fault       |           | 2 <sup>(2)</sup> , 3                               | Cooling fan stopped running, or running too slow  | Device must be sent for service  |
| 39         | Interlock               |           | 2 <sup>(2)</sup> , 3                               | S-link communication between PPC and retract controller are missing                                       | -Check PPC or retract controller has power.<br>-Check S-Link connections to PPC and retract controller.<br>-Check if not PPC or SR150000/SR61242 is wrongly setup as SRP or SRVP/SRLP. |

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