



Quick reference S-Link Alarm codes

"Err. No."	Errors shown in display	"Auto Reset"	"Ext. buzzer activation at Alert Level"	Description	Action
1	Motor Overcurrent		2 ⁽²⁾ , 3	Motor current too high.	"Thruster must be serviced by authorized personnel, reset or power OFF/ON PPC ⁽¹⁾ ."
2	Motor Overtemp	Yes	2 ⁽²⁾ , 3	"Motortemp has been over 120°C/248°F."	Motor cool down below 110°C /230°F.
3	Controller Overtemp		2 ⁽²⁾ , 3	"PPC ⁽¹⁾ temp has been over 80°C/176°F."	PPC ⁽¹⁾ cool down below 45°C/113°F.
4	Controller Overtemp		2 ⁽²⁾ , 3	"SR150000 temp has been over 80°C/176°F."	SR150000 cool down below 45°C /113°F.
5	Low Voltage		2 ⁽²⁾ , 3	Low motor voltage alarm when motor is running. 12V thruster below 8.00V 24V thruster below 12.00V	Recharge battery, reset or power OFF/ON device.
6	Thermoswitch	Yes	2 ⁽²⁾ , 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 ⁽²⁾ , 3	Motor relay fault	"Turn off thruster battery main switch. Thruster must be serviced by authorized personnel."
8	Critical Error		2 ⁽²⁾ , 3	PPC ⁽¹⁾ output fail	PPC ⁽¹⁾ must be sendt for service.
9	Low Motor Current		2 ⁽²⁾ , 3	Thruster uses no power	Check thruster connections or motor dead!
10	Motor Contactor		2 ⁽²⁾ , 3	No current on motor relay coil.	Check motor relay connections, short circuit or relay dead!
11	System Error		2 ⁽²⁾ , 3	Fatal error	Device must be serviced by authorized personel
12	No Communication		2 ⁽²⁾ , 3	No communication with device	Check S-Link cables and power connections.
13	Motor Temp Sensor		2 ⁽²⁾ , 3	Motor temperature sensor fail	Check for an open circiut on the temp sensor on the motor
14	Supply Voltage Fault		2 ⁽²⁾ , 3	No power	Check power connections
15	Fuse Blown		2 ⁽²⁾ , 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 ⁽²⁾ , 3	Main switch manually overridden	Pull main switch
17	Motion OUT Fault		2 ⁽²⁾ , 3	Retract obstructed while deploying	Turn off all panels. Go for lower speed/deeper water and retry.
18	Motion IN Fault		2 ⁽²⁾ , 3	Retract obstructed while retracting	Turn panel on and manually override main switch. Remove obstruction and try again.

Notes:

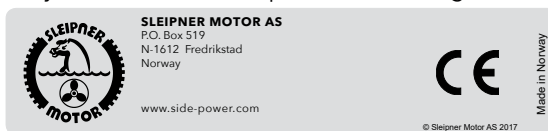
1. PPC520, PPC820, PPC840 & PPC800
2. Buzzer is only activated when any thruster device is operated. (Sending thrust on the S-link bus.)

"Err. No."	Errors shown in display	"Auto Reset"	"Ext. buzzer activation at Alert Level"	Description	Action
19	Actuator Fault		2 ⁽²⁾ , 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 ⁽²⁾ , 3	Retract position sensor fail	Check position sensor cables and for sensor damage.
21	In Service Mode	Yes	2 ⁽²⁾ , 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 ⁽²⁾ , 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."
23	Low Oil Level		1, 2 ⁽²⁾ , 3	Hydraulic oil level is to low	Fill more hydraulic oil to the hydraulic tank.
24	Warning Return Filter	Yes	2 ⁽²⁾ , 3		Return filter element required replacing.
25	Warning Pressure Filter	Yes	2 ⁽²⁾ , 3		Pressure filter element required replacing.
26	Warning High Speed	Yes	1, 2 ⁽²⁾ , 3	"WARNING! High Speed. Stabilizer not active!"	
27	Stabilizer Fault	Yes	1, 2 ⁽²⁾ , 3	Any Stabilizer alarm.	See stabilizer panel for more info.
28	AC Motor Overtemp	Yes	1, 2 ⁽²⁾ , 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 ⁽²⁾ , 3	"Hydraulic AC motor power pack temp sensor open circuit"	Check sensor cables.
30	Temperature Warning	Yes	2 ⁽²⁾ , 3 ⁽²⁾	High temperature warning.	Warns that the motor temperature is getting high.
31	Motor Overtemp	Yes	1, 2 ⁽²⁾ , 3	High temperature Alarm.	See SAC manual for more details.
32	VFD Warning	Yes	2 ⁽²⁾ , 3	There is an warning from VFD.	Check VFD for more details.
33	VFD Not Ready	Yes	2 ⁽²⁾ , 3	The VFD is not ready.	Check VFD for more details.
34	VFD Fault		1, 2 ⁽²⁾ , 3	VFD has an Alarm.	Check VFD for more details.
35	Warning Low Voltage	Yes	2 ⁽²⁾ , 3 ⁽²⁾	Low motor voltage warning when motor is running. 12V thruster below 9.30V 24V thruster below 17.50V	
36	Not Calibrated	Yes	2 ⁽²⁾ , 3	Shaft Not Calibrated	See manual for how to calibrate.
37	VFD Com. Fault		2 ⁽²⁾ , 3	No Modbus communication with VFD	Check VFD Modbus cables and power.
38	Cooling Fan Fault		2 ⁽²⁾ , 3	Cooling fan stopped running, or running too slow	Device must be sent for service
39	Interlock		2 ⁽²⁾ , 3	S-link communication between PPC and retract controller are missing	-Check PPC or retract controller has power. -Check S-Link connections to PPC and retract controller. -Check if not PPC or SR150000/SR61242 is wrongly setup as SRP or SRVP/SRLP.

Notes:

1. PPC520, PPC820, PPC840 & PPC800

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



The information given in the document was correct at the time it was published. However, Sleipner Motor AS can not accept liability for any inaccuracies or omissions it may contain. Continuous product improvement may change the product specifications without notice. Therefore, Sleipner Motor AS can not accept liability for any possible differences between product and document.