

GRUNDFOS PUMP

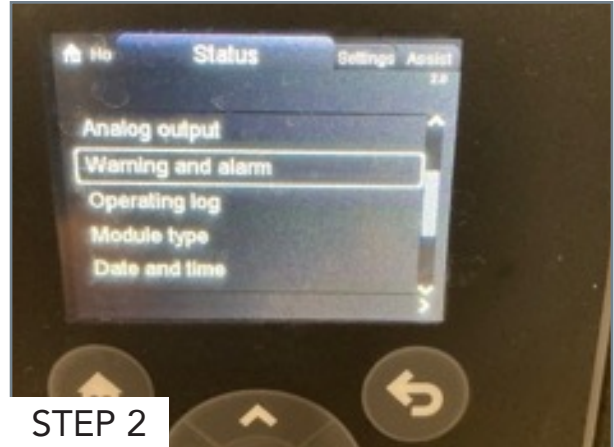
RESETTING GRUNDFOS EYE LIGHT ON PUMP

Grundfos Eye



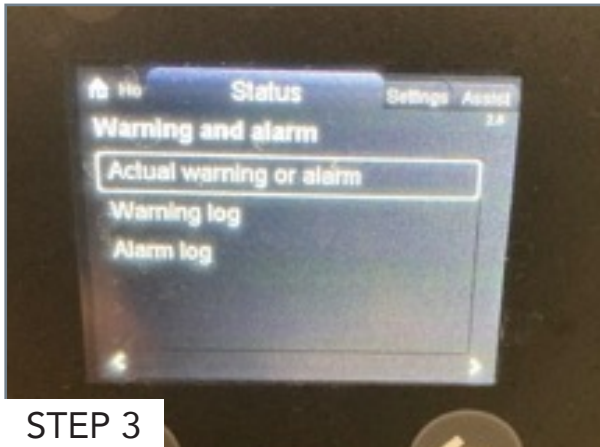
STEP 1

If the Grundfos EYE on your pump is lit, follow these steps to reset.



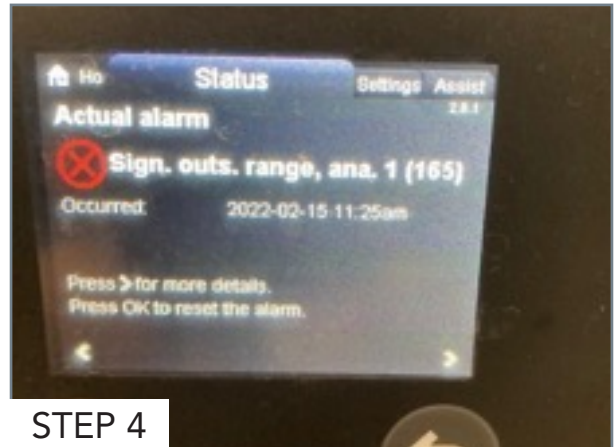
STEP 2

Using the right arrow, scroll over to status, then scroll down to "Warning and Alarm." Press "OK" button.



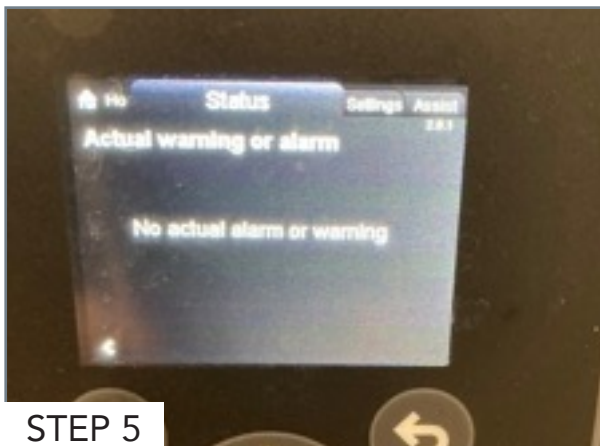
STEP 3

Inside the "Warning and Alarm," select "Actual warning or alarm" by pressing "OK."



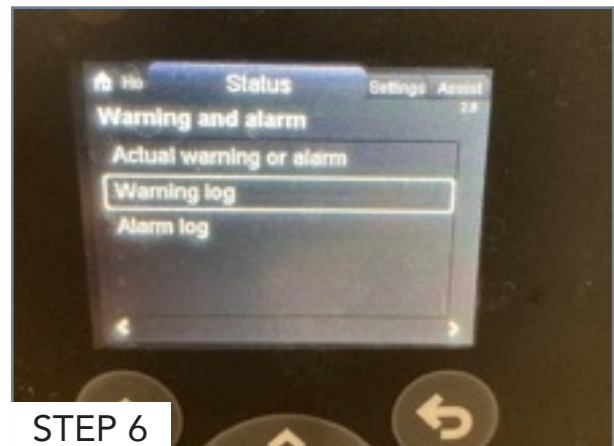
STEP 4

Record the information. Example: Sign. Outs. range, ana. 1 (165) and use fault tracing document (attached) to find condition/cause and remedy.



STEP 5

Click the "OK" button to reset the alarm. If the alarm is no longer present you will see the screen below.



STEP 6

Also check "Warning log" and "Alarm log" from the warning and alarm status screen. This is a history of events that have occurred.

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STEP 7

If you want to delete the warning and alarm log, go back to the home screen, and use the right arrow key to scroll over to the settings tab. Then scroll down to general settings and hit "OK."



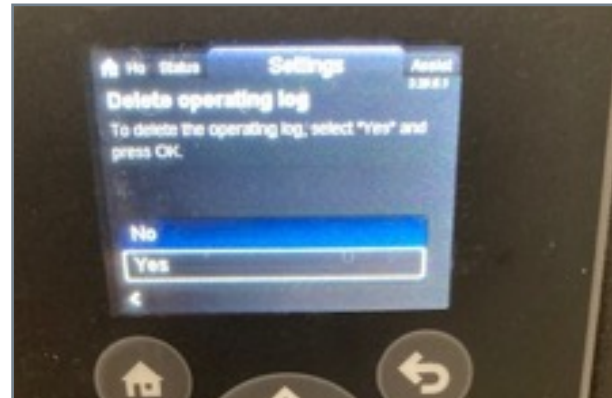
STEP 8

Inside general settings scroll down to "Delete history" and hit "OK."



STEP 9

Inside "Delete history" select "Delete operating log" and hit "OK."



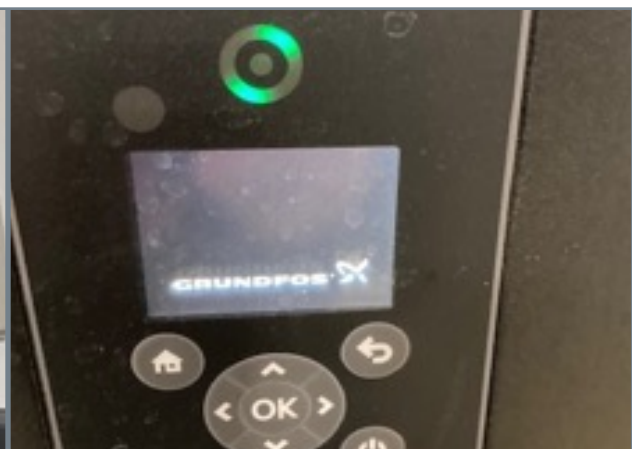
STEP 10

Inside "Delete operating log" highlight "Yes" and hit "OK."



STEP 11

If your light is still red and you have cleared all warnings and alarms, please power cycle the 3-phase power to your pump. Leave power off for 30 seconds to allow the VFD time to power down. Turn your 3-phase power back on and verify the Grundfos EYE is now green.






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The following two pages will help you identify warnings and alarms for your Grundfos Eye light being red or yellow.

8.2 Fault indications


The fault indication below can be read by means of the number in brackets, as text or as status indications on the control panel, depending on the equipment available.

Grundfos Eye	Condition/cause	Remedy
 <p>Two opposite red indicator lights flashing simultaneously.</p>	<p>External fault (3)</p> <p>An external signal has reported an "External fault" to the digital input set up for this function.</p>	<p>Check the parameter or the unit reporting the external fault. Correct the fault.</p>
	<p>Too many restarts (4)</p> <p>The pump has restarted to many times in connection with a fault that forced the pump to stop and restart automatically.</p>	<p>a) Check the warning and alarm log for faults that caused to many restarts. b) Replace the pump if the fault cannot be found.</p>
	<p>Overvoltage (32)</p> <p>Supply voltage to the pump too high.</p>	<p>a) Check that the power supply is within the specified range.</p>
	<p>Undervoltage (40)</p> <p>Supply voltage to the pump too low.</p>	<p>a) Check that the power supply is within the specified range.</p>
	<p>Overload (49)</p> <p>The motor is overloaded and has automatically reduced the speed and thus the pump performance.</p>	<p>a) Check that the viscosity and temperature of the pump liquid is within the limits for the pump. If not, change the properties of the liquid. b) Dismantle the pump, and remove any foreign matter or impurities preventing the pump from rotating. c) If none of the above causes are present, replace the pump.</p>
	<p>Blocked pump (51)</p> <p>The pump is blocked.</p>	<p>a) Dismantle the pump, and remove any foreign matter or impurities preventing the pump from rotating.</p>
 <p>One yellow indicator light permanently on.</p>	<p>Pump communication fault (10)</p> <p>Communication fault between this pump and the other pumps of the multipump system.</p>	<p>a) Check that all pumps of the multipump system have been correctly set up.</p>
	<p>Forced pumping (29)</p> <p>Other pumps or sources force flow through the pump even if the pump is stopped.</p>	<p>a) Check the system for defective non-return valves and replace, if necessary. Check the system for correct position of non-return valves, etc.</p>
	<p>Dry running (56, 57)</p> <p>No water at the pump inlet or the water contains too much air.</p>	<p>a) Prime and vent the pump before a new start-up. Check that the pump is operating correctly. If not, replace the pump.</p>
	<p>Internal fault (72, 83, 85, 155, 157, 163)</p> <p>Internal fault in the pump electronics.</p>	<p>a) Replace the functional module, power module or terminal box.</p>
 <p>One yellow indicator light permanently on.</p>	<p>High motor temperature (65, 66)</p> <p>1. The motor temperature is too high.</p>	<p>a) Check that the ambient temperature is within the specified range. b) Check that the pump is not covered by dust, dirt or other foreign matter which reduces the air cooling of the pump. c) If none of the above causes are present, replace the motor.</p>
	<p>Internal communication fault (76)</p> <p>1. Communication fault between different parts of the electronics.</p>	<p>a) Replace the terminal box.</p>
	<p>Soft pressure buildup, timeout (215)</p> <p>1. The system has been in the mode "soft pressure buildup" longer than the set time limit.</p>	<p>a) Check the system for leakages.</p>

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English (GB)

Grundfos Eye	Condition/cause	Remedy
 <p>One yellow indicator light rotating in the direction of rotation of the motor when seen from the non-drive end.</p>	Replace motor bearings (30) 1. The bearings must be replaced.	a) Follow the instructions for the pump. See section 7.12 <i>Replacing the bearings</i> .
	Internal sensor fault (88) 1. The pump is receiving a signal from the internal sensor which is outside the normal range.	a) Check that the plug and cable are connected correctly to the sensor. The sensor is on the back of the pump housing. b) Replace the sensor.
	Pt100/1000 sensor 1 (91) and 2 (175) 1. Pt100/1000 input 1 is receiving a signal which is outside the normal range.	a) Check that the sensor resistance corresponds to ≈ 100 or 1000 ohm. If not, replace the sensor. b) Check the sensor cable for damage. c) Check the cable connection at the pump and at the sensor. Correct the connection, if required. d) Replace the sensor.
	Supply fault, 5 V (161) 1. Fault in the output voltage to sensor or potentiometer.	a) Check the output voltage and wire to sensor or potentiometer.
	Supply fault, 24 V (162) 1. Fault in the output voltage.	a) Check the output voltage and wire.
	Signal fault, LiqTec-sensor (164) 1. The pump is receiving a signal from the LiqTec sensor which is outside the normal range.	a) Check that the plug and cable are connected correctly to the sensor. b) Replace the sensor.
	Signal fault, sensor 1 (165), 2 (166) and 3 (167) 1. Analog input 1, 2 or 3 is receiving a signal which is outside the normal range.	a) Check the setup of the analog input corresponds to the sensor output as regards electrical (0.5 - 3.5 V, 0-5 V, 0-10 V, 0-20 mA or 4-20 mA). If not, change the setting, or replace the sensor with one that matches the setup. b) Check the sensor cable for damage. c) Check the cable connection at the pump and at the sensor. Correct the connection, if required. d) Check if the sensor has been removed, but the input was not deactivated. e) Replace the sensor.
Limit 1 exceeded (190) and limit 2 exceeded (191) 1. Limit 1 or 2 has reached the limit for warning/alarm.	a) Identify and remove the fault cause.	

