

Panel 301 – Malfunction




Boat Model: Bavaria 37 – year 2013














The malfunction involved the buttons shown in the picture above, outlined in red. During our investigations all we did was remove and put back, one by one, all the micro-fuses, and one of the relays, the one marked as Reserve Button 5 (F5). After dealing with the micro-fuses, nothing happened. After putting back the relay, the buttons started working properly again. The malfunction happened once, but since we don’t really know what triggered it nor how the panel was reset, we are not sure if it will happen again.



Obs.: In our boat the F5 controls the 12V socket in the cockpit, behind the engine panel/chartplotter.





The table below shows the panel malfunction.

Button	Action	Display	Malfunction Description
 Fresh Watter  Fridge	Pressing once		<ul style="list-style-type: none">- They did not switch on/off when pressed.- They were always on or off at the same time

 Waste Water  Heating	Pressing once		<ul style="list-style-type: none"> - They did not switch on/off when pressed. - They were always on or off at the same time
 Panel	Pressing once		<ul style="list-style-type: none"> - Turned off the pair Fresh Water + Fridge - Turned on the pair Waste Water + Heating
	Pressing Twice		<ul style="list-style-type: none"> - Turned on the pair Fresh Water + Fridge - Turned off the pair Waste Water + Heating
 F5	Pressing once		<ul style="list-style-type: none"> - Turned on F5
	Pressing Twice		<ul style="list-style-type: none"> - Turned off F5 - Turned off the pair Fresh Water + Fridge - Turned on the pair Waste Water + Heating, - Turned on Panel
	Pressing 3x		<ul style="list-style-type: none"> - Turned on F5
	Pressing 4x		<ul style="list-style-type: none"> - Turned off F5 - Turned on the pair Fresh Water + Fridge - Turned off the pair Waste Water + Heating,

The table below shows the button functions when the panel is working properly.

Button	Description/Function
	Fresh water Switches the fresh water pump on and off. The button status is saved when the power supply has been switched off and is kept until the power is switched back on again.
	Waste water Switches the waste water pump on and off. The button status is saved when the power supply has been switched off and is kept until the power is switched back on again.

	<p>Panel</p> <p>Switches the background lighting of the panel and display on. This background lighting stays on for about 1 minute. The background lighting of the panel and display lights up and then turns off if you do not press either the up/down scroll button, the acknowledgment button or the panel button, during this time.</p>
	<p>Heating</p> <p>Switches the heating pump on and off. The button status is saved when the power supply has been switched off and is kept until the power is switched back on again.</p>
	<p>Fridge</p> <p>Switches the fridge on and off. The button status is saved when the power supply has been switched off and is kept until the power is switched back on again. In the event of a malfunction, the yellow LED will flash until the fault has been removed.</p>
	<p>F1 to F5</p> <p>Switches the reserve outputs on and off. These extra outputs are provided in addition to the functions set by the shipyards and are reserved for the use of other equipment. The button status is saved when the power supply has been switched off and is kept until the power is switched back on again.</p>