

HYDRAULIC PANEL INFORMATION

Info/Emergency Shutdown Panel for Hydraulics SM8980-12V and SM8980-24V

SIDE-POWER
Thruster Systems



The Side-Power Info Panel for Hydraulics, combines remote read-out for Oil Level and Oil Temp from the tank sensor and also an Emergency Shutdown button that stops the Hydraulic System both electrically and hydraulically. The Info Panels use our 5-Wire Control Harness and a special Y-Cable #SM61265 for multiple controls.

- Black wire is negative feed (from oil tank junction box)
- Red wire is positive feed (+12V or 24V) (from oil tank junction box)
- Blue wire is negative feed In from tank sensor switch, as long as oil temp is ok. Disconnect to check temp LED and buzzer alarm. If connection is broken, by high oil temp, bad wiring or malfunctioning temp sensor, you will get an oil temp alarm.
- Grey wire is negative feed In from tank sensor switch, as long as oil level is ok. Disconnect to check level LED and buzzer alarm. If connection is broken (by low oil level, bad wiring or malfunctioning level sensor), you will get an oil level alarm.
- Yellow is 12V or 24V positive feed OUT, only when Stop button is activated. Check with a lamp between yellow and negative that it also works with some load.

STOP LED light stays on when stop button is activated. If another panel is in the system, its Stop LED light will blink to let you know another panel is pushed Stop. This can be tested by connecting +12V or 24V feed to the yellow wire, when this panel's stop button is NOT activated.

When STOP button is activated, the alarm buzzer will be switched off, but alarm LED's will still stay on.

Below is Suggested Trouble-shooting. There is more info in the bound system manual also.

1. Check to make sure that each Info panel is using a 5-wire control harness. Label will be on harness end and Amp connector body, (#61278-22M, 22 is for 22m, 09 would be for 9m length etc.)
2. Check to make sure that if there is more than one Info panel, that the system is using the correct 5-wire Y-Cable for the Info Panel, #61265 (label on Amp body). We have another 5-wire Y-Cable, #61273, that is used for another item and this has a blocking diode on the yellow wire, which is not needed for the Info Panels. Using the wrong Y-Cable would cause an operation error. This may cause Stop LED to glow and possibly Stop operation problems.
3. Unplug the yellow at each Info Panel and with a voltmeter check the 4-wires and then push the Off button and check for voltage out of the panel on the yellow lead.
4. Bypass the Info Panel circuit, unplug 5-wire connection at the tank and plug each panel in separately and test each panels function.
5. If the yellow is not connected, you would get a blinking Off on the Info Panel. If you have a loose connection, the same could occur.

