

AZIMUTH SMART INDICATORS-ALARM PANEL-DATA LOGGER

The smart azimuth twin thruster indicator will display the positions of the thrusters, will monitor the angle of each thruster and will generate an alarm if the two propellers are facing each other. The angles are programmable and the controller will provide an alarm and dry contacts that can be used to interlock the engine's throttle if necessary. Also, a dry contact will be available per thruster to indicate that it is operating within the safe range.

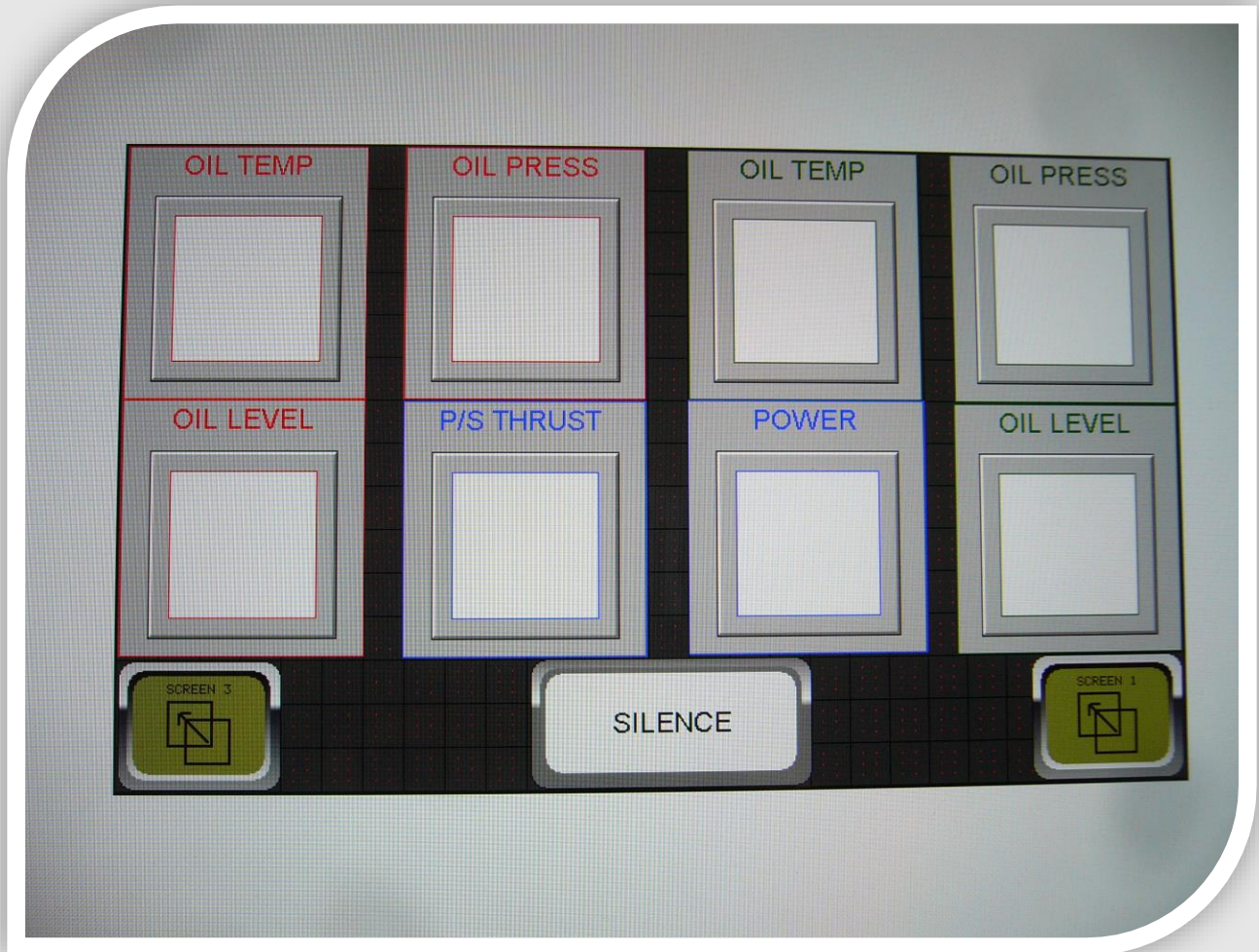
The system will monitor the following alarm points of the thruster hydraulics, low pressure, low oil level, oil temperature, power loss and will display the status of the pumps. Delays are provided for each alarm point and failures will be logged in real time.

The system can operate on 12 or 24 VDC and will provide dimming for night operation.

Visual and sound alert will be provided for each alarm point and an external dry contact can be provided to control a horn, strobe light or to connect to the main machinery alarm system.



The system can accept NC or NO signals from the monitored sensors, 4-20 mA OR 0-10 VDC for thruster's position. Lines can be monitored for wire break. Interlocks between the alarm points are also possible. The 7" touch screen panel has CE Mark, UL, ABS Type Approval and has NEMA 4X rating.



Above is an example of the alarms that can be monitored with this controller. The unit can also be installed in a steel enclosure if mounted in a harsh location. The panel can also be customized to suit your application.

Please contact Sea-Tronics Services Inc. for more information about this product.

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