

**Service Information System**

Shutdown SIS

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◀ Product: MARINE ENGINE
Model: C280-16 MARINE ENGINE TDX
Configuration: C280-16 MARINE TDX00001-UP

Systems Operation

Marine Monitoring System II

Media Number -REN2490-06

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Transducers

SMCS - 1904

Operation of a Transducer

A transducer converts a mechanical stimulus into an electrical signal. An external power source is required. A transducer's signal is linearly proportional to the value of the parameters. Most transducers have outputs with two wires. A transducer's signal is between 4 mA and 20 mA.

Transducers in Engine Protective Systems

Engine protective systems include sensors, contactors, and transducers. The sensors detect information about engine performance. The sensors are connected to contactors or transducers. The contactors and transducers are connected to a junction box.

The signal is routed from the engine mounted junction box to terminals in the control panel. The input module converts the signal into the parameter.

The signal is used in order to trigger alarms and the signal is used in order to display the parameter.