

SiMON Quote

QuoteNO: Ken0000372 Revision 2

Project: Nordhavn - KW

Customer Name: Ken Williams

Captain:

Stocks

Sensors	
Analog Sensors (Palladium):	38
Switched Sensors (Palladium):	46
PSensorsP:	2
Total Sensors (Palladium):	86
Total Sensored Points:	86
System Module Sensors (Palladium):	0
Electronic Interfaces Sensors (Palladium):	111
Total All Sensored Points (Palladium):	197
Other Systems/Accessories	
Total System Modules:	0
Total Electronic Interfaces:	5
Accessories (Palladium):	3
Total Accessories:	3
System Module Accessories (Palladium):	0
Total All Accessories:	3

Vessel Information

Name:	Nordhavn 68, Hull #5			
Model:	68			
Manufacturer:	Nordhaven			
Length:	68 Feet			
Power Supply:	24 Volts DC			
Generators				
Code	Manufacturer	Location	Phases	Power
16kw	Lugger	Port	1	1
25kw - L	Lugger	Stbd	1	2
Engines				
Code	Manufacturer Name	Location	Power Unit	
1276A	Lugger	Port	525 HP	
1276A	Lugger	Stbd	525 HP	

Electronic Interfaces

Code	Location	Quote Notes
Lugger Engine	Port	
Lugger Engine	Stbd	
ATLAS	Engine Room	Atlas Techpower Interface
Lugger Generator	Port	
Lugger Generator	Stbd	

Accessories

Code	Qty	Location	Quote Notes
Strobe-Amber	1	Engine Room	Micro Strobe with amber lens, operating from a input voltage range of 12 to 80 VDC.
Alarm-Piezo-Red-24	1	Helm	Distinctive Warble Alarm sound with 95dB output, in a NMEA 4X, 12 format. Color is Red and this Alarm Sounder is intended for weatherproof, indoor or outdoor environments. 24VDC
SiMON Trax-050	1	Helm	Panel mount 50mm track ball, visual and audible alarm notifier. Trackball illuminates to indicated the current status of Alarms on the SiMON system.

Sensors

System	Location	Sensor Data Point	Code	Description	Type	Provider
Alarms	Main	Alarm Acknowledgement	Alarm Ack	Alarm Acknowledgement Input	Switched-Input	Palladium
Alarms	Main	Alarm General	SS009-01	Relay Output Interface 240AC/6A	Relay-Output	Palladium
ATLAS	Engine Room	Actual Load	Actual Load	Actual Load		Palladium
ATLAS	Engine Room	Dock Capacity	Dock Capacity	Dock Capacity		Palladium
ATLAS	Engine Room	Reserve	Reserve	Reserve		Palladium
ATLAS	Engine Room	Shorepower Capacity	Shorepower Capacity	Shorepower Capacity		Palladium
ATLAS	Engine Room	Shorepower CB Failed to Close	Shorepower CB Failed to Close	Shorepower CB Failed to Close		Palladium
ATLAS	Engine Room	Shorepower CB Failed to Open	Shorepower CB Failed to Open	Shorepower CB Failed to Open		Palladium

ATLAS	Engine Room	Shorepower CB Tripped	Shorepower CB Tripped	Shorepower CB Tripped	Palladium
ATLAS	Engine Room	Shorepower DC Bus Contractor Failure	Shorepower DC Bus Contractor Failure	Shorepower DC Bus Contractor Failure	Palladium
ATLAS	Engine Room	Shorepower DC Bus Fuse Blown	Shorepower DC Bus Fuse Blown	Shorepower DC Bus Fuse Blown	Palladium
ATLAS	Engine Room	Shorepower Input SFMR Over Temp	Shorepower Input SFMR Over Temp	Shorepower Input SFMR Over Temp	Palladium
ATLAS	Engine Room	Shorepower Inverter Control PS Undervoltage	Shorepower Inverter Control PS Undervoltage	Shorepower Inverter Control PS Undervoltage	Palladium
ATLAS	Engine Room	Shorepower Inverter DC Bus Contactor Failure	Shorepower Inverter DC Bus Contactor Failure	Shorepower Inverter DC Bus Contactor Failure	Palladium
ATLAS	Engine Room	Shorepower Inverter DC Bus Fuse Blown	Shorepower Inverter DC Bus Fuse Blown	Shorepower Inverter DC Bus Fuse Blown	Palladium
ATLAS	Engine Room	Shorepower Inverter DC Over Voltage	Shorepower Inverter DC Over Voltage	Shorepower Inverter DC Over Voltage	Palladium
ATLAS	Engine Room	Shorepower Inverter General Fault	Shorepower Inverter General Fault	Shorepower Inverter General Fault	Palladium
ATLAS	Engine Room	Shorepower Inverter Ground Fault	Shorepower Inverter Ground Fault	Shorepower Inverter Ground Fault	Palladium
ATLAS	Engine Room	Shorepower Inverter Main Control Under voltage	Shorepower Inverter Main Control Under voltage	Shorepower Inverter Main Control Under voltage	Palladium
ATLAS	Engine Room	Shorepower Inverter Output Short Circuit	Shorepower Inverter Output Short Circuit	Shorepower Inverter Output Short Circuit	Palladium
ATLAS	Engine Room	Shorepower Inverter Over Current	Shorepower Inverter Over Current	Shorepower Inverter Over Current	Palladium
ATLAS	Engine Room	Shorepower Inverter Overheat Alarm	Shorepower Inverter Overheat Alarm	Shorepower Inverter Overheat Alarm	Palladium

ATLAS	Engine Room	Shorepower Inverter Overheat Shutdown	Shorepower Inverter Overheat Shutdown	Shorepower Inverter Overheat Shutdown	Palladium
ATLAS	Engine Room	Shorepower Inverter Overload 1	Shorepower Inverter Overload 1	Shorepower Inverter Overload 1	Palladium
ATLAS	Engine Room	Shorepower Inverter Overload 2	Shorepower Inverter Overload 2	Shorepower Inverter Overload 2	Palladium
ATLAS	Engine Room	Shorepower Main Control Under Voltage	Shorepower Main Control Under Voltage	Shorepower Main Control Under Voltage	Palladium
ATLAS	Engine Room	Shorepower Output Voltage Fault	Shorepower Output Voltage Fault	Shorepower Output Voltage Fault	Palladium
ATLAS	Engine Room	Shorepower Output XFRM Over Temp	Shorepower Output XFRM Over Temp	Shorepower Output XFRM Over Temp	Palladium
ATLAS	Engine Room	Shorepower Soft Start Contractor Fault	Shorepower Soft Start Contractor Fault	Shorepower Soft Start Contractor Fault	Palladium
ATLAS	Engine Room	Shorepower Transfer Fault	Shorepower Transfer Fault	Shorepower Transfer Fault	Palladium
ATLAS	Engine Room	Shorepower VCTR Relay Fault	Shorepower VCTR Relay Fault	Shorepower VCTR Relay Fault	Palladium
ATLAS	Engine Room	Switchboard Average Power Factor	Switchboard Average Power Factor	Switchboard Average Power Factor	Palladium
ATLAS	Engine Room	Switchboard Bus KVH	Switchboard Bus KVH	Switchboard Bus KVH	Palladium
ATLAS	Engine Room	Switchboard Frequency	Switchboard Frequency	Switchboard Frequency	Palladium
ATLAS	Engine Room	Switchboard Main Bus L1 Amps	Switchboard Main Bus L1 Amps	Switchboard Main Bus L1 Amps	Palladium
ATLAS	Engine Room	Switchboard Main Bus L1 to L2 Volts	Switchboard Main Bus L1 to L2 Volts	Switchboard Main Bus L1 to L2 Volts	Palladium
ATLAS	Engine Room	Switchboard Main Bus L1 to L3 Volts	Switchboard Main Bus L1 to L3 Volts	Switchboard Main Bus L1 to L3 Volts	Palladium
ATLAS	Engine Room	Switchboard Main Bus L1 to N Volts	Switchboard Main Bus L1 to N Volts	Switchboard Main Bus L1 to N Volts	Palladium

ATLAS	Engine Room	Switchboard Main Bus L2 Amps	Switchboard Main Bus L2 Amps	Switchboard Main Bus L2 Amps		Palladium
ATLAS	Engine Room	Switchboard Main Bus L2 to L3 Volts	Switchboard Main Bus L2 to L3 Volts	Switchboard Main Bus L2 to L3 Volts		Palladium
ATLAS	Engine Room	Switchboard Main Bus L2 to N Volts	Switchboard Main Bus L2 to N Volts	Switchboard Main Bus L2 to N Volts		Palladium
ATLAS	Engine Room	Switchboard Main Bus L3 Amps	Switchboard Main Bus L3 Amps	Switchboard Main Bus L3 Amps		Palladium
ATLAS	Engine Room	Switchboard Main Bus L3 to N Volts	Switchboard Main Bus L3 to N Volts	Switchboard Main Bus L3 to N Volts		Palladium
ATLAS	Engine Room	Switchboard Total VA	Switchboard Total VA	Switchboard Total VA		Palladium
ATLAS	Engine Room	Switchboard Total Watts	Switchboard Total Watts	Switchboard Total Watts		Palladium
ATLAS	Engine Room	Switchboard Watt Hours	Switchboard Watt Hours	Switchboard Watt Hours		Palladium
Bilge	Engine Room	Pump Running Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium
Bilge	Forepeak	Pump Running Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium
Bilge	Guest Area	Pump Running Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium
Bilge	Lazarette	Pump Running Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium
Bilge	Midship	Pump Running Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium
Door	#1	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium
Door	#2	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium
Door	#3	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium
Door	#4	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium
Door	#5	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium
Door	#6	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium
Door	#7	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched-Input	Palladium

Electrical DC	Alternator 1	Temperature	SA010-SF-KT	Surface Mount Temperature Sensor, with aluminum housing, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B element. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Electrical DC	Alternator 1	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Alternator 1	Amperage Out	SA026-300	300 Amp DC Current Transducer	4 to 20 mA~Input	Palladium
Electrical DC	Alternator 2	Temperature	SA010-SF-KT	Surface Mount Temperature Sensor, with aluminum housing, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B element. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Electrical DC	Alternator 2	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Alternator 2	Amperage Out	SA026-300	300 Amp DC Current Transducer	4 to 20 mA~Input	Palladium
Electrical DC	DC Power Supplies	Fault Status	SS040-01	Provides for a Primary and Secondary DC Power Inputs to the SiMON Controllers. An Alarm output triggers if one of the input power supplies should fail.	Switched~Input	Palladium
Electrical DC	House Battery Bank	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Nav Battery Bank	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Nav Battery Bank	Amperage In	SA026-300	300 Amp DC Current Transducer	4 to 20 mA~Input	Palladium
Electrical DC	Nav Battery Bank	Amperage Out	SA026-300	300 Amp DC Current Transducer	4 to 20 mA~Input	Palladium
Electrical DC	Port	Inverter Temperature	SA010-SF-KT	Surface Mount Temperature Sensor, with aluminum housing, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B element. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Electrical DC	Port	Inverter Amps Out	SA026-300	300 Amp DC Current Transducer	4 to 20 mA~Input	Palladium
Electrical DC	Port Engine Battery	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Port Generator Battery	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Stbd	Inverter Temperature	SA010-SF-KT	Surface Mount Temperature Sensor, with aluminum housing, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B element. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Electrical DC	Stbd	Inverter Amps Out	SA026-300	300 Amp DC Current Transducer	4 to 20 mA~Input	Palladium
Electrical DC	Stbd Engine Battery	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium
Electrical DC	Stbd Generator Battery	Voltage	SA019-BAT-50	Battery Voltage Interface, 0-50 VDC, 4-20mA	4 to 20 mA~Input	Palladium

Engine	Engine Room	Air Intake Temperature	SA010-AIR-36-KT	Air Temperature Sensor, 316 Stainless Steel 3/16" x 6", and 120" of 3 conductor Teflon wire. RTD is 100 ohm, Class B. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Engine	Engine Room	Air Temperature	SA010-AIR-36-KT	Air Temperature Sensor, 316 Stainless Steel 3/16" x 6", and 120" of 3 conductor Teflon wire. RTD is 100 ohm, Class B. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Engine	Exhaust Fan #1	Run Indicator	SS009-06	Relay Input Interface 120AC/DC	Relay~Input	Palladium
Engine	Exhaust Fan #2	Run Indicator	SS009-06	Relay Input Interface 120AC/DC	Relay~Input	Palladium
Engine	Intake Fan	Run Indicator	SS009-06	Relay Input Interface 120AC/DC	Relay~Input	Palladium
Engine	Port	Gear Box Temperature	SA010-IM-15-KT	Immersion Temperature Sensor, 316 Stainless Steel 1/8" tube 1.5" long, with 1/4" NPT fitting, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Engine	Port	Shaft Bearing Temperature	SA010-SF-KT	Surface Mount Temperature Sensor, with aluminum housing, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B element. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Engine	Stbd	Gear Box Temperature	SA010-IM-15-KT	Immersion Temperature Sensor, 316 Stainless Steel 1/8" tube 1.5" long, with 1/4" NPT fitting, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Engine	Stbd	Shaft Bearing Temperature	SA010-SF-KT	Surface Mount Temperature Sensor, with aluminum housing, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B element. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Fire	Engine Room	Heat Rate of Rise	SS001-06-GE	Heat detector with 195 deg F Fixed Temperature - Rate of Rise	Switched~Input	Palladium
Fire	Lazarette	Heat Rate of Rise	SS001-06-GE	Heat detector with 195 deg F Fixed Temperature - Rate of Rise	Switched~Input	Palladium
Fuel	Transfer Pump	Run Status	SS009-06	Relay Input Interface 120AC/DC	Relay~Input	Palladium
Fuel	Valve #1	Closed Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #1	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium

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Fuel	Valve #2	Closed Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #2	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #3	Closed Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #3	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #4	Closed Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #4	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #5	Closed Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Fuel	Valve #5	Open Status	SS033-02	Proximity Sensor-Extended Range, 8mm Diameter, DC NPN, 2 Meter Cable	Switched~Input	Palladium
Hatch	#1	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Hatch	#2	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Hatch	#3	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Hatch	#4	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Hatch	#5	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Hydraulic	Main	Oil Pressure	SA005-H30-0J	Pressure Transducer, 0-3000 PSI, 1/4"-18 NPT-Male - Snubber - 4 to 20 mA	4 to 20 mA~Input	Palladium
Hydraulic	Main	Oil Temperature	SA010-IM-15-KT	Immersion Temperature Sensor, 316 Stainless Steel 1/8" tube 1.5" long, with 1/4" NPT fitting, and 36" of 3 conductor Teflon wire. RTD is 100 ohm, Class B. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Lugger Engine	Port	Battery_Voltage	Battery_Voltage			Palladium
Lugger Engine	Port	Exhaust_Temperature	Exhaust_Temperature			Palladium
Lugger Engine	Port	Fuel_Flow	Fuel_Flow			Palladium
Lugger Engine	Port	Fuel_Pressue	Fuel_Pressue			Palladium
Lugger Engine	Port	Oil_Pressure	Oil_Pressure			Palladium
Lugger Engine	Port	Oil_Temperature	Oil_Temperature			Palladium

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Lugger Engine	Stbd	Battery_Voltage	Battery_Voltage			Palladium
Lugger Engine	Stbd	Exhaust_Temperature	Exhaust_Temperature			Palladium
Lugger Engine	Stbd	Fuel_Flow	Fuel_Flow			Palladium
Lugger Engine	Stbd	Fuel_Pressue	Fuel_Pressue			Palladium
Lugger Engine	Stbd	Oil_Pressure	Oil_Pressure			Palladium
Lugger Engine	Stbd	Oil_Temperature	Oil_Temperature			Palladium
Lugger Generator	Port	Current	Current	Current		Palladium
Lugger Generator	Port	Exhaust Temperature	Exhaust Temperature	Exhaust Temperature		Palladium
Lugger Generator	Port	Frequency	Frequency	Frequency		Palladium
Lugger Generator	Port	Fuel Flow	Fuel Flow	Fuel Flow		Palladium
Lugger Generator	Port	Fuel Pressure	Fuel Pressure	Fuel Pressure		Palladium
Lugger Generator	Port	Oil Pressure	Oil Pressure	Oil Pressure		Palladium
Lugger Generator	Port	Oil Temperature	Oil Temperature	Oil Temperature		Palladium
Lugger Generator	Port	RPM	RPM	RPM		Palladium
Lugger Generator	Port	Voltage	Voltage	Voltage		Palladium
Lugger Generator	Stbd	Current	Current	Current		Palladium
Lugger Generator	Stbd	Exhaust Temperature	Exhaust Temperature	Exhaust Temperature		Palladium
Lugger Generator	Stbd	Frequency	Frequency	Frequency		Palladium
Lugger Generator	Stbd	Fuel Flow	Fuel Flow	Fuel Flow		Palladium
Lugger Generator	Stbd	Fuel Pressure	Fuel Pressure	Fuel Pressure		Palladium
Lugger Generator	Stbd	Oil Pressure	Oil Pressure	Oil Pressure		Palladium
Lugger Generator	Stbd	Oil Temperature	Oil Temperature	Oil Temperature		Palladium
Lugger Generator	Stbd	RPM	RPM	RPM		Palladium
Lugger Generator	Stbd	Voltage	Voltage	Voltage		Palladium
Navigation	Anchor Light	Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium
Navigation	Running Lights	Status	SS009-05	Relay Input Interface 24DC	Relay-Input	Palladium

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Port Hole	#1	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Port Hole	#2	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Port Hole	#3	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Port Hole	#4	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Port Hole	#5	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Port Hole	#6	Open Status	SS002	Miniature Surface Magnetic Contacts	Switched~Input	Palladium
Refrigeration	Deep Freezer	Temperature	SA010-AIR-36-KT	Air Temperature Sensor, 316 Stainless Steel 3/16" x 6", and 120" of 3 conductor Teflon wire. RTD is 100 ohm, Class B. Temperature rating of -50 deg C to +250 deg C. Requires temperature convertor, SA011-RTD.	4 to 20 mA~Input	Palladium
Tank	Black Water	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Clean Lube	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fresh Water #1	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fresh Water #2	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fuel #1	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fuel #2	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fuel #3	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fuel #4	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Fuel #5	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Grey Water	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Tank	Waste Water	Level Indication	SA017-05	Tank Sender for Water, Oil, or Fuel, SAE5 Flange Alum	0 to +10 VDC~Input	Palladium
Ventilation	Lazarette	Fan Intake Run Status	SS009-05	Relay Input Interface 24DC	Relay~Input	Palladium
Ventilation	Lazarette	Fan Out Run Status	SS009-05	Relay Input Interface 24DC	Relay~Input	Palladium
Water Maker	#1	Production Flow Rate	SF007-03	RotorFlow Sensor 0.5 to 5.0 GPM Brass	Pulse~Input	Palladium

Water Maker	#1	Run Indicator	SS009-07	Relay Input Interface 230AC/DC	Relay-Input	Palladium
Water Maker	#2	Production Flow Rate	SF007-03	RotorFlow Sensor 0.5 to 5.0 GPM Brass	Pulse-Input	Palladium
Water Maker	#2	Run Indicator	SS009-07	Relay Input Interface 230AC/DC	Relay-Input	Palladium
