



YACHTSENSE™

MODULAR DIGITAL CONTROL SYSTEM

YachtSense is an advanced digital switching solution offering complete command and control of onboard systems

MODERN VESSEL AUTOMATION

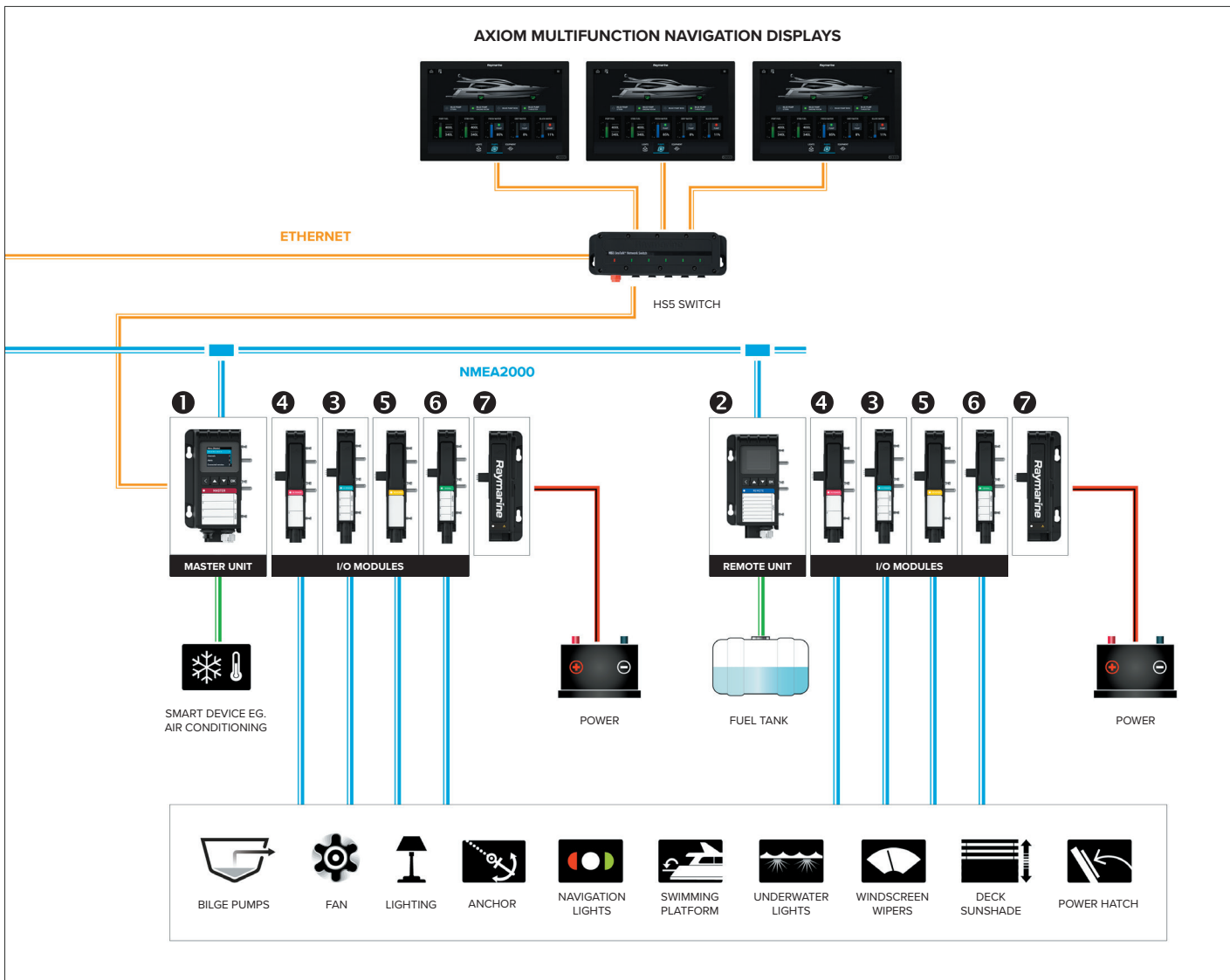
Bespoke user interface options deliver a modern and elegant vessel automation solution that allows users complete control of the vessel amenities right from the helm.

SCALEABLE

YachtSense is a unique modular system architecture that gives boat builders the freedom to design and standardize on a digital control solution that can scale across an entire model range. No other digital switching system offers this much flexibility and expansion capabilities.










Raymarine





ENGINEERED FOR THE UNEXPECTED

Three layers of redundancy give captains peace of mind. An integrated keypad allows for manual override, and the LCD provides system diagnostics. In the event of a network disruption, the system continues to operate. A manual fuse bypass provides temporary power override in the unlikely event of a module failure.

YACHTSENSE MODULES			
1. MASTER 	2. REMOTE 	3. LOW POWER 	4. HIGH POWER 
<p>The YachtSense system can expand even further with the YachtSense Remote Modules.</p>	<p>Remote modules replace the master modules for these expansion sets.</p>	<p>The low power module is a digital output module and can be used to drive lower powered electrical loads such as lights, wipers motors and other electronic devices.</p> <p>Supports up to 4 devices.</p>	<p>The High power module is a digital output module and can be used to drive high powered electrical loads such as pumps, fans, heaters, refrigerators and Hi-Fi equipment etc.</p> <p>Supports up to 2 devices.</p>
5. REVERSE POWER 	6. SIGNAL 	7. POWER SUPPLY 	
<p>The Reverse Module provides control over 1x DC circuit that can reverse its polarity. It is ideal motion control applications of hydraulic pumps, actuators, sunroofs, sunshades, and electric windows.</p>	<p>The signal module provides a connection to up to 4 input signals. These can be used to monitor tank levels, battery voltages, temperatures, switches or a variety of other sensors.</p> <p>Any of these 4 channels can also be used as a low current output signal to control other electronic devices or relays.</p>	<p>Point of connection for DC power and completes the stack of modules.</p> <p>Power Supply Modules provide all other modules with a connection to the boats power supply. Protects all connected circuits from transient voltages and reverse polarity connection.</p>	

YACHTSENSE SPECIFICATIONS



	Master	Remote	Low Power	High Power	Signal	Reverse Power	Power Supply
Nominal supply voltage:	12 Vdc / 24 Vdc						
Operating voltage range:	8 Vdc to 32 Vdc						
Operating temperature range	-25°C (-13°F) to 55°C (131°F)						
Storage temperature range	-30°C (-22°F) to 70°C (158°F)						
Humidity	up to 93% @ 40°C						
Water ingress protection	IPx6						
SeaTalk^{ng} / NMEA 2000 Connector	1x SeaTalk ^{ng}						
Network Control	1x RayNet type SeaTalkhs™ connector 10 / 100 / 1,000 Mbits/s						
CANBUS / Serial:	2x J1939 connections via 16-pin Molex MX150L connector 2x RS-485 connections via 16-pin Molex MX150L connector						
Input / output connections	8x 250 mA output channels via 20-pin Molex MX150L connector						
Power Channels:			4 channels	2 channels			
Signal Channels:					4 channels		
Reversible Channels:						1 channel	
LCD:	TFT LCD (LED backlight)						
Dimensions H/W/D (not including busbars):	165mm (6.50 in) x 81.00mm (3.19 in) x 75.50mm (2.97 in)		172mm (6.77 in) x 28.00mm (1.10 in) x 76.50mm (3.01 in)	160mm (6.30 in) x 28.00mm (1.10 in) x 76.50mm (3.01 in)	172mm (6.77 in) x 28.00mm (1.10 in) x 76.50mm (3.01 in)	160mm (6.30 in) x 28.00mm (1.10 in) x 76.50mm (3.01 in)	155mm (6.10 in) x 47.00mm (1.85 in) x 77.50mm (3.05 in)
Module Current Draw (Amps):	350mA	250mA					
Max output current:			10 Amps per channel	20 Amps per channel	250 mA per channel	20 Amps	
Max input current:			50 mA	50 mA			



For further information including full product specifications, scan the QR code or go to our website www.raymarine.com

21-0927-MAR / AUGUST 2021 / V1.0



Register within 90 days to upgrade your warranty to 3 years for FREE.

Raymarine