2175 NW 34th Ave Miami, FL 33142 USA
Phone: 786-621-3010 • Fax: 786-621-3046
• Email: info@yachtaidmarine.com

9000 Series

MicroCommander and ClearCommand have been re-engineered and upgraded to our 9000 Series control systems. The qualities that made MicroCommander and ClearCommand two of our best selling product lines remain, while several features have been refined to increase reliability.

9000 Series MicroCommander

MicroCommander is a single-lever electronic control system designed for precise, instant control of mechanical engines and gears on yachts and commercial vessels.

9000 Series ClearCommand

ClearCommand is designed for vessels utilizing mechanical and electronic throttle and shift combinations.

Standard features on both products include an LED display which utilizes self diagnostic software. The LED displays codes for setup or system status, and is easily visible without opening the enclosure. Configuration is achieved by entering codes on the key pad, and the processor makes any necessary adjustments to vessel specifications. All system functions are incorporated on one circuit board, allowing easy customization of features. Communication between processors, in multiple engine applications is achieved using a Controller Area Network (CAN) serial bus.

Increased vessel efficiency is achieved with engine synchronization, standard on every 9000 Series MicroCommander and 9000 Series ClearCommand processor. One lever synchronization is programmed into all processors and allows multi-engine control with one lever.

Troll remains an optional feature on all 9000 Series ClearCommand and 9000 Series MicroCommander control systems.

Installation is trouble free with customized cable lengths and optional plug connectors. Customized kits are available, which include everything needed for installation of these control systems.

The circuit board is conformal coated, to protect against humidity, contamination, dust and dirt. 9000 Series MicroCommander and 9000 Series ClearCommand control systems meet EMC, CE, and current environmental standards as well as UL1500 with built in ignition protection.

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9000 Series

PARTS FOR SYNCHRONIZATION AND TROLL	PART NUMBER	PRICE
SENDER, TACHOMETER DUAL	8902	
MAGNETIC PICK-UP, 3/4 X 16	8912	
MAGNETIC PICK-UP, 3/4 X 16	2241	

BASIC CABLE (NO PLUG CONNECTORS)	PART NUMBER	PRICE
WIRE HARNESS - 8 CONDUCTOR, SHIELDED, 20 AWG	180	
WIRE HARNESS - 8 CONDUCTOR, SHIELDED 20 AWG, 500 FT ROLL	350	
WIRE HARNESS - 8 CONDUCTOR, SHIELDED, 20 AWG, 1000 FT	11811	
WIRE HARNESS - 2-14GA BLACK & RED WITH VIO-STRIPE, PVC JACKET, VW1	212	
WIRE HARNESS - 2 CONDUCTOR, 14 AWG, PVC, (BLACK & RED WITH VIO-STRIPE) 250 FT	349	
WIRE HARNESS - 2 CONDUCTOR, 16 AWG, START INTERLOCK, YELLOW WITH RED STRIPE	183	
WIRE HARNESS - 2 CONDUCTOR, SHIELDED, YELLOW WITH RED STRIPE, 16 AWG, PVC, 250 FT	355	

AUTOMATIC POWER SELECTOR (APS)

Our automatic power selector, available with every ZF Marine Electronics, LLC electronic control system, automatically switches from one DC power source to another, giving a secondary power supply when needed. Operational with 12 or 24 volt batteries.

AUTOMATIC POWER SELECTOR	PART NUMBER	PRICE
AUTOMATIC POWER SELECTOR	13505	

9000 Series Part Number Key

9**X**XXX-XXXX
1 = Standard Mechanical Throttle
2 = Standard Electronic Throttle
5 = Premium Mechanical Throttle
6 = Premium Electronic Throttle

9X**X**XX-XXXX
1 = Mechanical Gear
2 = Solenoid Gear
3 = Mechanical Gear / Solenoid 2 Speed
4 = Solenoid Gear / Solenoid 2 Speed

9XX**X**X-XXXX
0 = None
1 = Mechanical Troll
2 = Solenoid Troll
3 = Autotroll
5 = Mechanical Governed Troll
6 = Solenoid Governed Troll

9XXX**X**-XXXX
Number of Stations

9XXXX-**XXXX**
Serial Number

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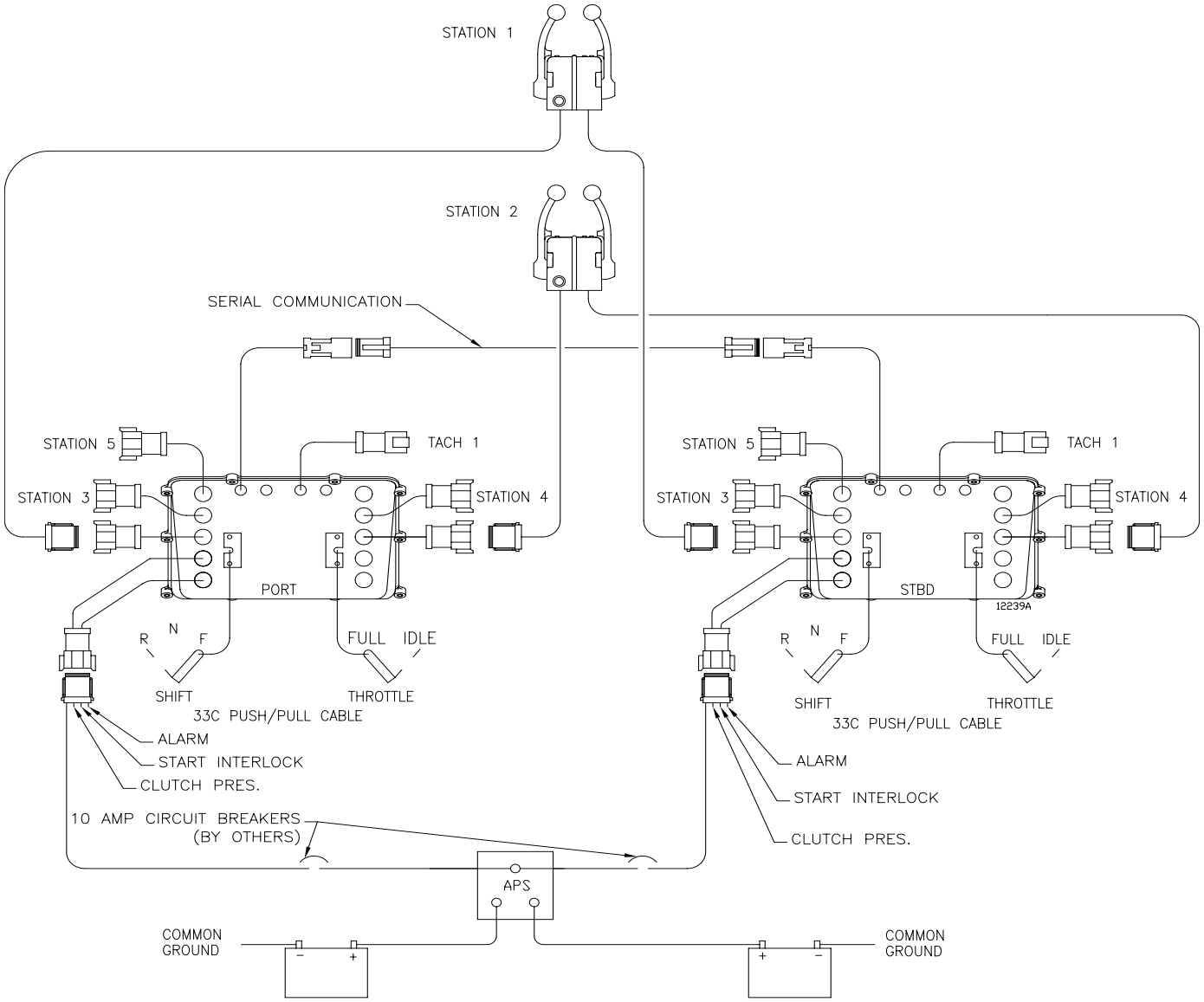
ZF Marine Electronics, LLC

9000 Series MicroCommander

Example of Twin Screw - 2 Station 9000 Series MicroCommander pluggable system



REQUIREMENTS:
(2) POWER / START INTERLOCK WIRE HARNESS
(4) CONTROL HEAD WIRE HARNESS
(1) SERIAL CABLE - ON TWIN ENGINE APPLICATIONS
(2) TACHOMETER FEEDBACK WIRE HARNESS - SYNCH APPLICATIONS ONLY
(2) 91102 PROCESSORS
(1) APS
(2) 10 AMP C.B.
(4) 33C PUSH-PULL CABLE (SUPPLIES BY OTHERS)

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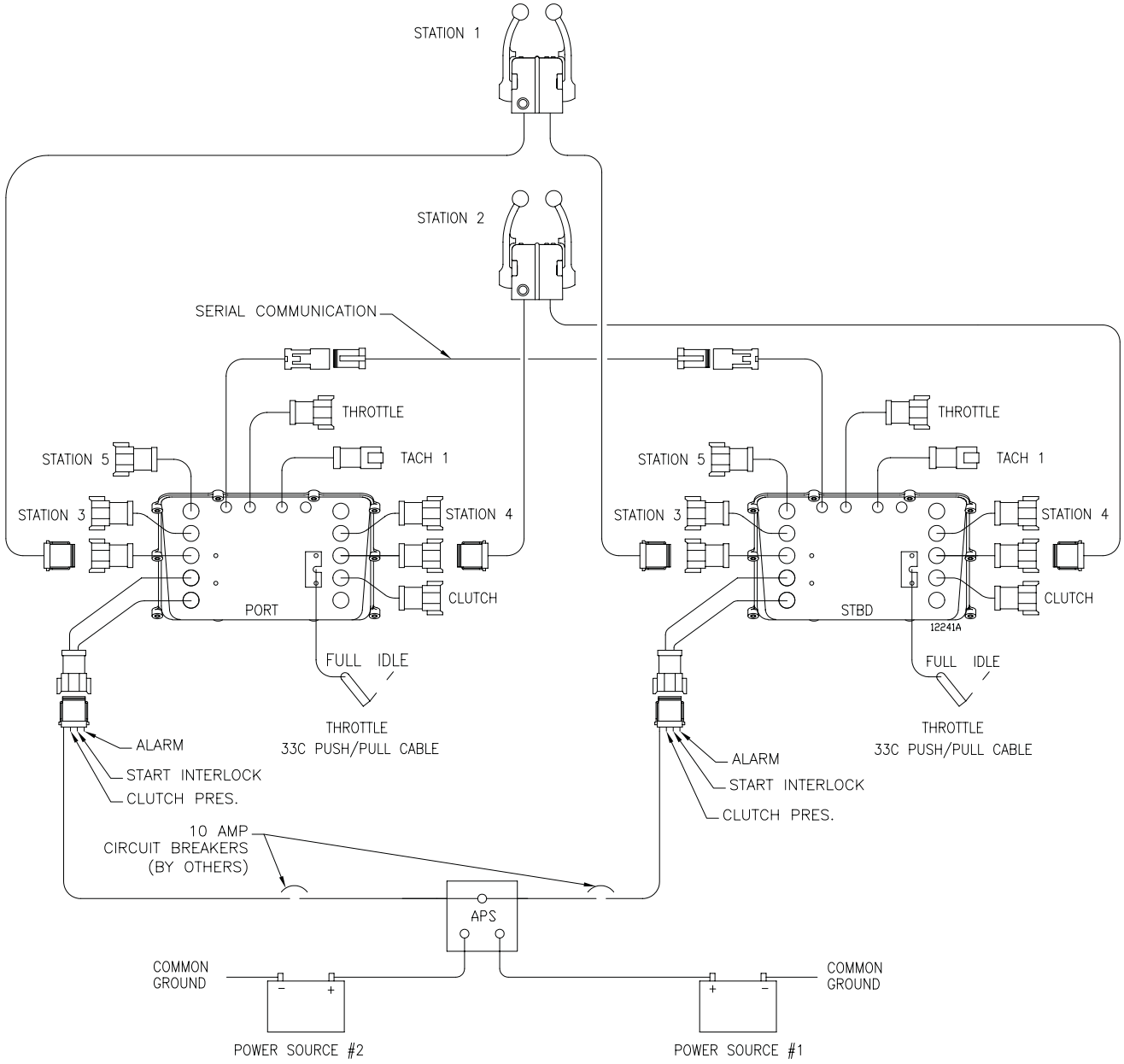
9000 Series ClearCommand

Example of Twin Screw - 2 Station Mechanical Throttle Solenoid Shift



REQUIREMENTS:
(2) POWER / START INTERLOCK WIRE HARNESS
(4) CONTROL HEAD WIRE HARNESS
(2) CLUTCH WIRE HARNESS
(1) SERIAL CABLE - ON TWIN ENGINE APPLICATIONS
(2) TACHOMETER FEEDBACK CABLE - SYNCH APPLICATIONS ONLY
(2) 91202 PROCESSORS
(1) APS
(2) 10 AMP C.B.
(2) 33C PUSH-PULL CABLE (SUPPLIED BY OTHERS)

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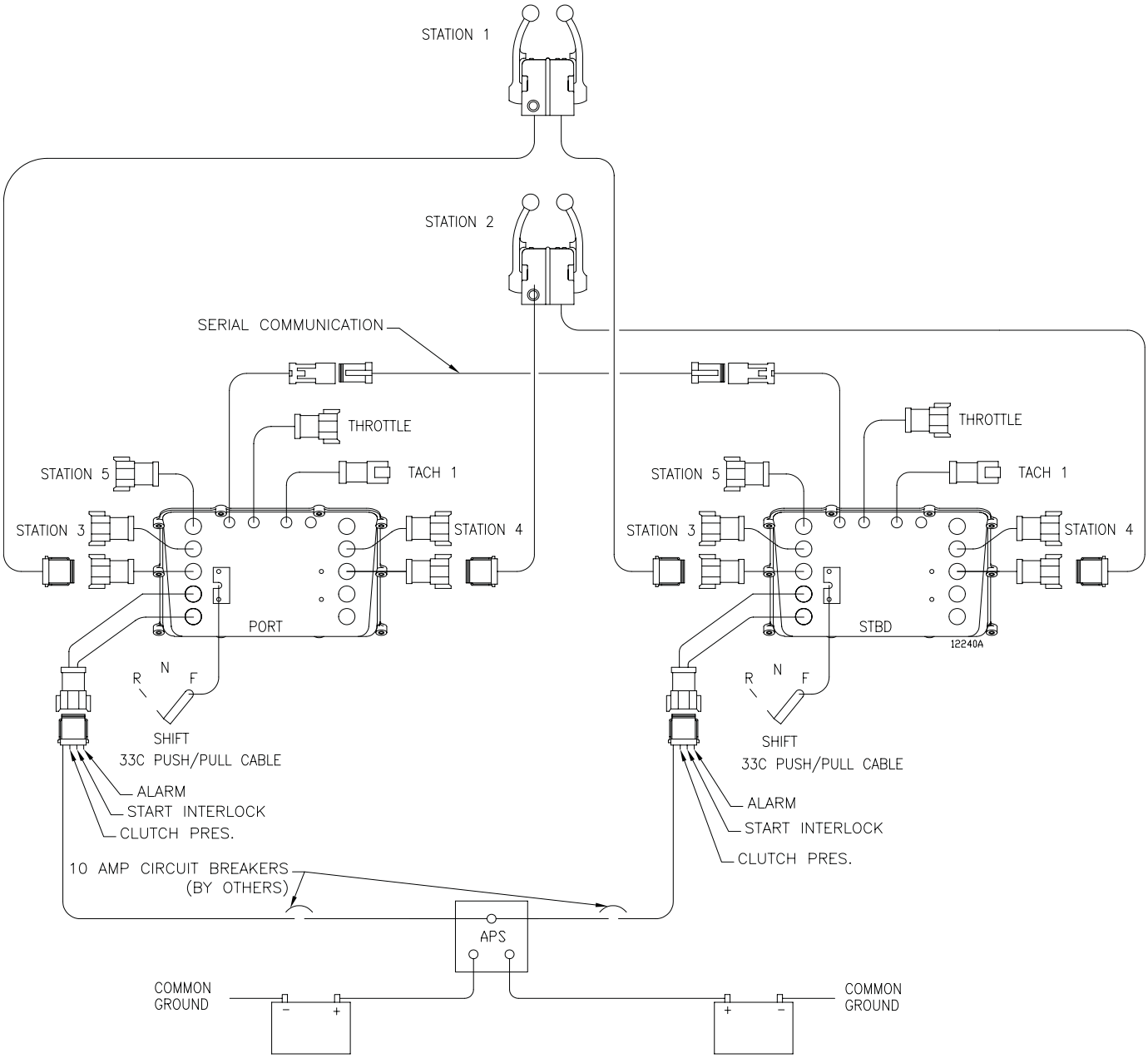
9000 Series ClearCommand

Example of Twin Screw - 2 Station Electronic Throttle Mechanical Shift



REQUIREMENTS:

(2) POWER / START INTERLOCK WIRE HARNESS
(4) CONTROL HEAD WIRE HARNESS
(1) Serial CABLE - ON TWIN ENGINE APPLICATIONS
(2) TACHOMETER FEEDBACK CABLE - SYNCH APPLICATIONS ONLY
(2) 92102 PROCESSORS
(1) APS
(2) 10 AMP C.B.
(2) 33C PUSH-PULL CABLE (SUPPLIED BY OTHERS)
(2) THROTTLE HARNESS

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