

ZF Marine Electronics 12125 Harbour Reach Dr Ste B Mukilteo, WA 98275 P - 425-583-1900 F - 425-493-1569 www.zf.com

# **System Configuration Worksheet**

To ensure that ZF Marine Electronic's products are applied properly, this work sheet MUST be completed. Many engine manufacturers now offer electronic fuel management systems, while the reduction gear manufacturers offer electric and electronic control of shifting. The control system supplied must fit the vessel requirement.

							Date		
Your Name:									
	Street:								
Address:	City:					State:			
			F	Postal (	Code 8	Country:			
Contact Name:					Te	elephone:			
Builder:						Hu	ıll #:		
E-Mail:							Fax:		
Vessel Owner:						Vessel na	ime:		
Requirements							ı		
Select One:									
Main Propu	lsion:	В	Bow Thrus	ter:		Otl	her:		
Number of Stat		Loc	cations:						
Propeller Shaft Bral	kes								
	Yes			No					
Engine Synchroniza									
	Yes			No		Supplied	By:		
Dynamic Positionin									
	Yes			No		Ту	/pe:		
Vessel									
Type:			Le	ngth:			No. of scr	rews:	
Vessel Classificatio	ns:								
ABS B	V		VNC		GL		LRS	RINA	
Other: (Explain)									
Propulsion Machine	ery								
Engine Manufacture	r								
М	odel:				HP:		RPM:		
Select One:									
Mechanical Gov	ernor								
Pneumatic Governor						Pressure F	Requirement:		
Electronic Gov	ernor			Signal	Type:		Range:		

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Marine Transmission Manufact	urer		
Model:	Ratio:		
Select One:			
Pneumatic Clutch	Size:		
Hydraulic Clutch			
Select One:			
Mechanical Selector	Solenoid Selector		
2-Speed:			
Yes	No	Ratio:	
Trolling Valve:			
Yes	No		
Select One:			
Mechanical Interface	Mechanical Interface Solenoid Interface		
ZF AutoTroll	Electric Interface		
Pneumatic Interface			
Drive Manufacturer		Model:	
Select One:			

Drive Manufacturer		Model:		
Select One:				
Fixed Pitch Propeller				
Controllable Pitch Propeller	Contro	ollable Pitch Propeller		
Surface Drive		Surface Drive		
Water Jet		Water Jet		
Other		Other		

#### Purpose:

- 1. Determine Control System type.
- 2. Select Control Head Model preference.
- 3. Determine Wire Harness length requirements.

#### Instructions:

- 1. Provide cable length requirements for ALL wire harnesses, designating port and starboard on the chart when required. Only applies to wire harnesses and electrical cable supplied by ZF Marine Electronics, LLC.
- 2. Check the appropriate application:

9000 Series MicroCommander

9000 Series ClearCommand

### CruiseCommand

			Port	Starboard
Item	Qty	Description	Cable Lengths	
1		Flybridge Control Head Harness		
2		Pilot House Control Head Harness		
3		Throttle Cable Harness		
4		Clutch /Troll Cable Harness		

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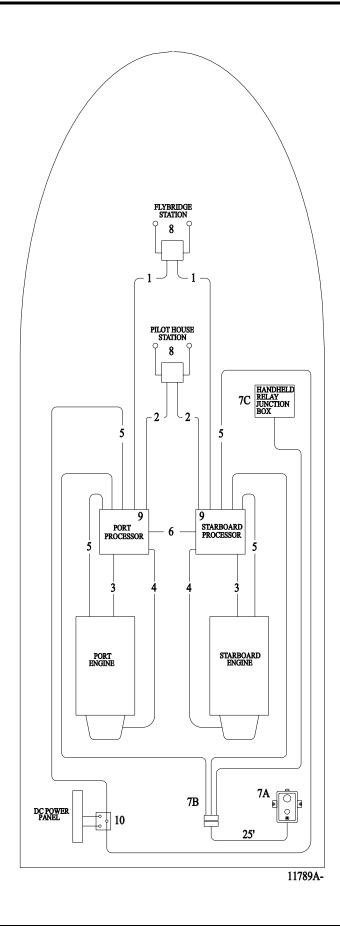
5	Power and Start Interlock Cable		
5A	Tachometer Feedback		
6	Serial Communication Cable		
7	Hand Held Kit		
7A	Hand Held Control On 25' Cord		
7B	Receptacle Kit	50 , 100	, 150
7C	Relay Box		
8	Automatic Power Selector?	Yes	No
8A	All Pluggable Harnesses?	Yes	No
9	Control Head		
10	Control Processor		

## Note:

- 1. Hand Held Kit includes:
  - a Hand Held Control on 25' cable.
  - b Receptacle Kit available in 50', 100', 150' lengths
  - c Relay Junction Box up to 3 receptacle kits may be installed in a Relay Junction Box.
- 2. 9000 Series MicroCommander will operate with up to 5 Stations connection to Engine and Gear is via push-pull cable (not supplied by ZF Marine Electronics).
- 3. 9000 Series ClearCommand will operate with up to 5 Stations possible.
- 4. CruiseCommand will operate with up to 4 Stations.
- 5. SmartCommand will operate with up to 6 Stations

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