## **APPLICATIONS**

For boats with electronic throttle and electronic shift

#### **FEATURES**

- Designed for new installation or retrofit
- A new level of control performance for inboard, outboard or stern-drive engines; gas or diesel, 12V/24VDC common mode
- Up to 4 stations + 1 handheld
- Various color / finish control head options
- Neutral warm up function
- Complete self-diagnostic system
- Adjustable shift / throttle settings
- Start in gear protection
- Single to quad engine capability

### **OPTIONAL FEATURES**

- Idle control
- Audible alarm
- •O/B style levers/ trim control
- Trolling outputs
- Display dimmer
- Handheld control
- System settings tool

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Optional hand held remote control

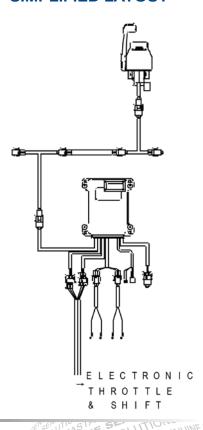
# A NEW LEVEL OF CONTROL PERFORMANCE FOR INBOARD, **OUTBOARD OR STERN-DRIVE ENGINES**

KE Control Systems are a perfect answer to smooth and easy shift and throttle control suitable for most applications. Modern styling, various color/finish control head options, single to quad engine capability. Designed specifically to meet the performance, reliability endurance and aesthetic requirements of today's modern boats.

### **SPECIFICATIONS**

Supply Voltage	12V/24VDC common mode (DC 9V-31V)										
Current Consumption	Control Unit - 10A Max										
Throttle Output	Type 1 Current										
(Various settings available for each type)	Type 2 Voltage										
available for each type)	Type 3 PWM										
	Type 4 CAN (SAE J1939)										
Shift Output	Solenoid Activation										
IVS Switches	Normally Open and Normally Closed										
Operating Environment	-4°F/-20°C to +170°F/+77°C										

### SIMPLIFIED LAYOUT



ESEASTAR SOLUTIONS

COLLITIONS GENUINE





# **ORDER INFORMATION**

DESCRIPTION		PART No.	Si	ngle	e En	ıq.	Dι	ıal E	Eng.		Triple Eng.				Qı	uad	End	j.	NOTES
						ns	No. Stations				No. Stations				No. Stations				
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Control Head, Single Without Trim/Tilt Switch With Trim/Tilt Switch Inboard Style		NM1002-00 NM1001-00 NM1003-00	1	2	3	4	-	_	_	_	_	_	_	_	_	_	_	_	
Control Head, Twin Without Trim/Tilt Switch With Trim/Tilt Switch Inboard Style		NM1052-00 NM1051-00 NM1053-00	-	-	-	-	1	2	3	4	1	2	3	4	1	2	3	4	
Control unit 12V / 24VDC		NM2406-00	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	
Bus Harness	2m 4m 6m 8m 10m 12m 14m 16m 20m 24m 30m 40m 50m	NM0649-02 NM0649-04 NM0649-06 NM0649-08 NM0649-10 NM0649-12 NM0649-14 NM0649-16 NM0649-20 NM0649-20 NM0649-30 NM0649-40 NM0649-50	1	2	3	4	2	3	4	5	3	4	5	6	4	5	6	7	1m = 39 Inches
Harness Power Supply	5m 10m	MN0414-28 MN0414-33	2	2	2	2	4	4	4	4	6	6	6	6	8	8	8	8	
T-Harness (R/C-1)		NM0647-09	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
T-Harness (R/C)		NM0647-10	-	1	2	3	-	1	2	3	-	1	2	3	-	1	2	3	
T-Harness (Single)		NM0647-11	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	

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## **ORDER INFORMATION**

DESCRIPTION PART N		PART No.	Single Eng. No. Stations					ıal E o. St			Triple Eng. No. Stations					ıad . St			NOTES
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
T-Harness (Port)		NM0647-12	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	
T-Harness (STBD)		NM0647-13	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	
T-Harness (Center)		NM0647-14	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	
T-Harness (Center STBD)		NM0647-15	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	
Triple Switch		NJ0767-00	-	-	-	-	-	-	-	-	1	2	3	4	-	-	-	-	
Quad Switch		NJ0768-00	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	4	
Circuit Breaker 10A		NJ0595-00	2	2	2	2	4	4	4	4	6	6	6	6	8	8	8	8	Optional
Buzzer 12V Model 24V Model		NJ0515-00 NJ0596-00	1	2	3	4	2	4	6	8	1	2	3	4	1	2	3	4	Optional
Idle Switch		NJ0765-00	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Optional
SW Extn Harness		NM0647-08	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Optional
Shift Harness	5m 10m	NM0640-05 NM0640-10	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	
Throttle Harness	5m 10m	NM0666-05 NM0666-10	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	
Handheld Station (Optional)		NM0906-00	1	1	1	1	2	2	2	2	-	-	-	-	-	-	-	-	

## **OPTIONAL FEATURES**

- Integrated sync function
- Mechanical backup

1 meter = approx. 39" \*\*XX = Length in feet

## Note: for Inboard boats only

\* Note: Select - Harness Throttle depend on the type of throttle output

Engine compatibilty Type 1 MTU + others

Type 2 Cummins, Detroit Diesel, Iveco, John Deere + others

Type 3 Caterpillar

Type 4 CAN (SAE J1939)

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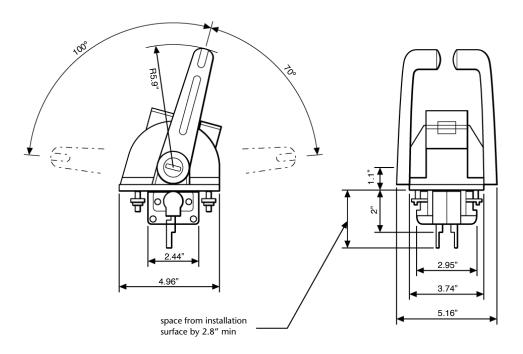




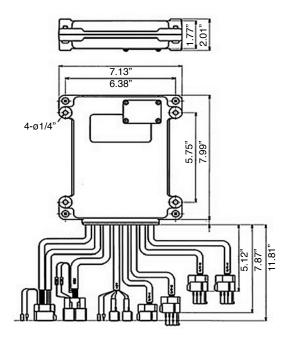


## **TECHNICAL DATA**

## Twin control head



### Main control unit



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