KE-6a ELECTRONIC CONTROL SYSTEM

APPLICATIONS

For boats with electronic throttle and mechanical 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 and dual engine capability

OPTIONAL FEATURES

- Engine sync kit
- Audible alarm
- Trolling outputs
- Display dimmer
- Handheld control
- Mechanical backup

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

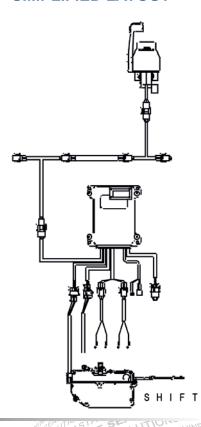
KE Control Systems are a perfect answer to smooth and easy shift and throttle control suitable for most applications. Modern styling, various color/finish control head options, single to quad engine capability.

Designed specifically to meet the performance, reliability endurance and aesthetic requirements of today's modern boats.

SPECIFICATIONS

Supply Voltage	12 VDC or 24 VDC						
Current Consumption	Shift Actuator - 7A typical						
Throttle Output (Various settings available for each type)	Type 1 Current						
	Type 2 Voltage						
	Type 3 PWM						
Shift Output	Max 40mm travel each (forward & reverse)						
IVS Switches	Normally Open and Normally Closed						
Max Work Load	343N (35kgf)						
Starting Current - motor	16A Max at 49N(5Kgf) load						
Driving Current - Motor	7A Typical at 49N(5Kgf) load						
Operating Environment	-4°F/-20°C to +170°F/+77°C						

SIMPLIFIED LAYOUT











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ORDER INFORMATION

DESCRIPTION		PART No.	Single Eng. No. Stations				Dual Eng. No. Stations				NOTES
			1	2	3	4	1	2	3	4	
Control head		NM0511-00 NM0510-00	1 -	2	3	4	1	2	3	- 4	
Control unit	12V 24V	NM1449-00 NM1450-00	1	1	1	1	2	2	2	2	
Communication Harness	5m	NM0619-05	-	-	-	-	1	1	1	1	
Harness Remote Control	XXm	NM0616-XX	1	2	3	4	2	4	6	8	Available every 2m between 04 to 40m (A 50m harness is also available)
Harness, Shift		NM1449-07	1	1	1	1	2	2	2	2	
*Harness Throttle	Type 1 5m Type 2 5m Type 3 5m	NM0641-05 NM0642-05 NM0643-05	1 1 1	1 1 1	1 1 1	1 1 1	2 2 2	2 2 2	2 2 2	2 2 2	For current output For voltage output For PMW output
Harness Power supply	5m 10m	NM0414-28 NM0414-33	2	2	2	2	4	4	4	4	
Shift Actuator		NM0172-00	1	1	1	1	2	2	2	2	
**Shift Cable	33C	CC633XX	1	1	1	1	2	2	2	2	Required XX = length in feet
Circuit breaker	20A	NJ0514-00	2	2	2	2	4	4	4	4	Recommended option
Buzzer	24V 12V	NJ0515-00 NJ0596-00	1	2	3	4	2	4	6	8	option

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

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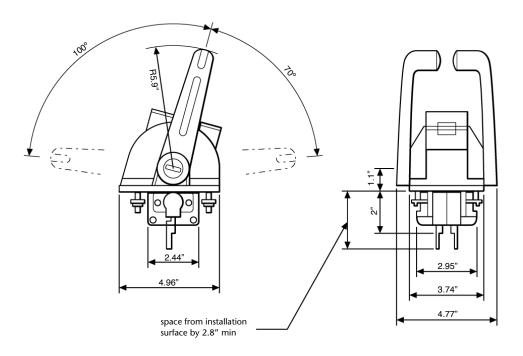




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TECHNICAL DATA

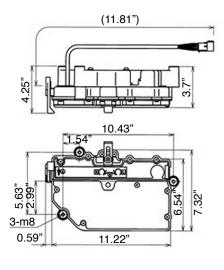
Twin control head



Main control unit

7.13" 6.38" 4-ø1/4" 4-ø1/4"

Actuator unit



ITIONS GENUINE SEASTAR

LASIAK SULUTIONS GENUME SEN

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