

Standard Lever with PTT Switch, Outboard



Optional SST Lever, Inboard



KE-4+ ELECTRONIC CONTROL SYSTEM

FOR BOATS WITH MECHANICAL THROTTLE AND MECHANICAL SHIFT

TECHNICAL DATA

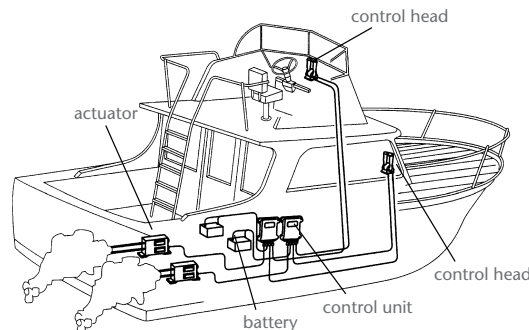
The KE-4+ is a perfect answer to smooth and easy shift and throttle control suitable for most applications. Modern styling, various color/finish control head options, single to quad engine capability. Designed specifically to meet the performance, reliability endurance and aesthetic requirements of today's modern boats.

SPECIFICATIONS			
Maximum work load	343N (35 kgf)	Operating Thrust	147N (15 Kgf)
Output speed	50mm per second	Shift travel	40mm Max each (Fwd, Rev) - adjustable
Rated input voltages	12V/24V DC common mode	Operating environment	-68°F/-20°C to +167°F/+75°C
Current consumption	0.5A Max (while not in use)	Throttle travel	80mm Max -adjustable
Starting current - motor	16A Max (49N (5 Kgf) load)		

Optional hand held remote control



Twin control head



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AT A GLANCE

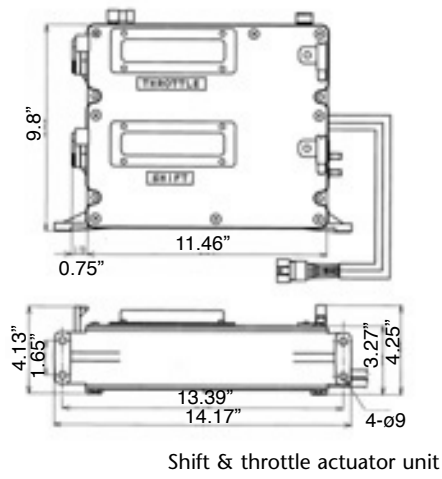
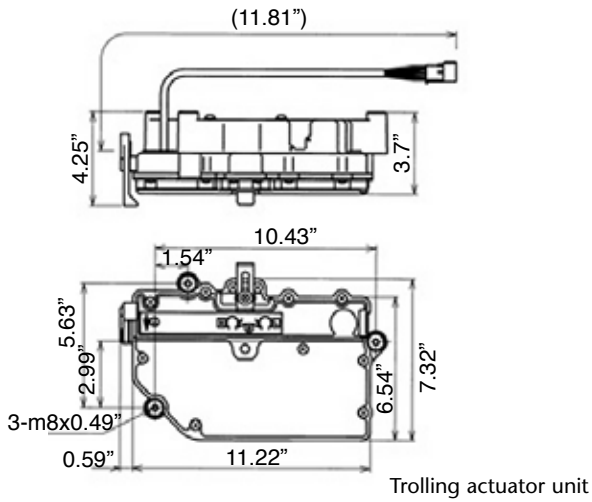
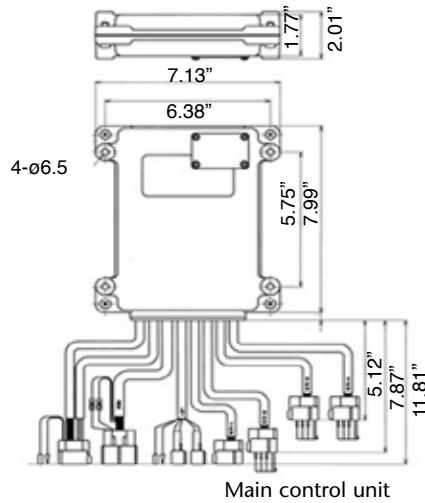
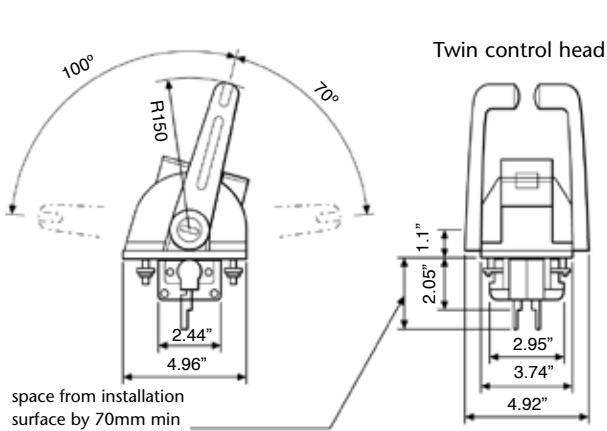
FEATURES

- 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
- Various color/finish control head options.
- Synchronization standard, 1 lever / 2 lever selection
- Neutral warm up function
- Complete self-diagnostic system
- Optional mechanical backup
- Adjustable shift pause and throttle delay
- Start in gear protection.
- Optional trolling system
- Remote hand held control optional. A great docking accessory
- Idle control option
- Standard outboard levers with ptt switch

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TECHNICAL DATA



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FEATURES

- Settings tool option via external PC
- Single to quad engine capability

ORDER INFORMATION

NO.	NAME	PART NO.	REQUIRED SINGLE ENGINE NO. OF STATIONS				DUAL ENGINES NO. OF STATIONS				TRIPLE ENGINES NO. OF STATIONS				QUAD ENGINES NO. OF STATIONS				NOTE
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
1	Control head, Single without PTT PTT = trim/tilt switch with PTT SST = inboard style SST	NM1002-00																	
		NM1001-00	1	2	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-
		NM1003-00																	
2	Control head, Twin without PTT with PTT SST	NM1052-00 NM1051-00 NM1053-00	-	-	-	-	1	2	3	4	1	2	3	4	1	2	3	4	
3	Control unit 12V/24V D	NM1475-00	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	
4	Actuator	NM0183-00	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	



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			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
5	Bus Harness	2m	NM0649-02																1m = 39 inches	
		4m	NM0649-04																	
		6m	NM0649-06																	
		8m	NM0649-08																	
		10m	NM0649-10																	
		12m	NM0649-12																	
		14m	NM0649-14	1	2	3	4	2	3	4	5	3	4	5	6	4	5	6		7
		16m	NM0649-16																	
		18m	NM0649-18																	
		20m	NM0649-20																	
		24m	NM0649-24																	
		30m	NM0649-30																	
40m	NM0649-40																			
50m	NM0649-50																			
6	Harness Power supply	5m 10m	NM0414-28 NM0414-33	2	2	2	2	4	4	4	4	6	6	6	6	8	8	8	8	
7	T-Harness (R/C-1) N		NM0647-09	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	T-Harness (R/C)		NM0647-10	-	1	2	3	-	1	2	3	-	1	2	3	-	1	2	3	
9	T-Harness (Single)		NM0647-11	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
10	T-Harness (Port)		NM0647-12	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	
11	T-Harness (STBD)		NM0647-13	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	
12	T-Harness (Center)		NM0647-14	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	
13	T-Harness (Center STBD)		NM0647-15	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	
14	Triple Switch		NJ0767-00	-	-	-	-	-	-	-	-	1	2	3	4	-	-	-	-	
15	Quad Switch		NJ0768-00	-	-	-	-	-	-	-	-	-	-	-	1	2	3	4	4	
16	Circuit breaker 20A		NJ0514-00	2	2	2	2	4	4	4	4	6	6	6	6	8	8	8	8	Optional
17	Buzzer 24V model 12V model		NJ0515-00 NJ0596-00	1	2	3	4	2	4	6	8	1	2	3	4	1	2	3	4	Optional
18	Idle Switch		NJ0765-00	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Optional
19	SW Extn Harness		NM0647-08	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Optional
20	Cable		33C Style CCX633XX TFXtreme	2	2	2	2	4	4	4	4	6	6	6	6	8	8	8	8	Specify the length CCX633XX Recommended

XX = Length in feet

MECHANICAL BACK-UP OPTION											
10	Mechanical control head	Use standard control head	1	1	1	1	2	2	2	2	Option
11	Cable for manual operation	33C Style	2	2	2	2	4	4	4	4	Option, Specify the length

1 meter = approx. 39 Inches

OPTION	PART NO.
Hand Held Remote Control	See Teleflex Marine website for hand held instruction manual

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