

Morse KE-6 controls

Morse®



premium engine control

A descendent of the popular and proven KE-4, this control has the superior performance you would expect — plus control for engines with electronic throttle and mechanical shift.

Use KE-6 if . . .

- There are more than 2 stations.
- Throttle is actuated electronically and Shift is actuated mechanically (KE-6 has no mechanical throttle interface)
- Trolling valve control is not required.
- Engine Sync is needed.
- Electrical system is 12 or 24 volt.
- Hand-held remote desired.
- CANBus interface is not needed. (If needed, see i6000.)

NOTE: When properly installed, these engine controls will connect to inboard engines, utilizing an electronic throttle interface and mechanical shift interface.

*(electronic control
— each lever controls
throttle AND shift)*

Built to the High Standards of KE-4 . . . With fully Electronic Throttle and Mechanical Shift Control for Today's Inboard Engines! Rugged, reliable and as boater-friendly as the KE-4, KE-6 adds electronic throttle for one or two engines from up to 4 stations and optional full engine synchronization.

Applications:

These electronic stand-alone controls are ideal for larger boats with up to two electronically-throttled/mechanically-shifted inboard engines and up to four stations.

Features:

- Works with most inboard engines with electronic throttle and mechanical shift.
- Single or twin engine control; dual function for each lever.
- Up to 4 control heads.
- Optional hand-held remote control: great for docking!
- Built-in Station Select switch.
- Engine Sync option available.
- Gear shift delay available.
- Neutral engine warm-up provision.
- Built-in overload protection & diagnostics.
- Visual failure alarm standard (audio alarm optional).
- Uses standard 3300/33C type control cables on throttle/shift actuator.
- Easy to install. Plug-in connectors.
- 12 and 24 volt capability.
- Meets/exceeds all applicable industry standards.

electronic throttle/mechanical shift, up to 4 stations

KE-6 Engine Controls Basic Ordering Guide:

KE-6 TOP MOUNT



SHIFT ACTUATOR



ECU (ELECTRONIC CONTROL UNIT)



ITEM DESCRIPTION	PART #	QTY.	NOTES
BASIC SYSTEM COMPONENTS:			
CONTROL HEAD - GOLD FINISH		1 PER STEERING STATION	
CONTROL UNIT		1 PER ENGINE	(12 OR 24 VOLTS)
SHIFT ACTUATOR	NM0172-00	1 PER TRANSMISSION	
COMMUNICATION HARNESS	NM0619-05		FOR TWIN ENGINE BOATS ONLY
REMOTE CONTROL HARNESS			CONTROL STATION 1 (IN METERS)
REMOTE CONTROL HARNESS			CONTROL STATION 2 (IN METERS)
REMOTE CONTROL HARNESS			CONTROL STATION 3 (IN METERS)
REMOTE CONTROL HARNESS			CONTROL STATION 4 (IN METERS)
HARNESS SHIFT ACTUATOR/THROTTLE			THROTTLE OUTPUT ARE ALL 5 METERS IN LENGTH
	NM0630-05		TYPE 1 FOR CURRENT OUTPUT (MTU)
	NM0629-05		TYPE 2 FOR VOLTAGE OUTPUT (CUMMINS, DETROIT, JOHN DEERE, SCANIA)
	NM0632-05		TYPE 3 FOR PWM OUTPUT (CATERPILLAR)
5 METER POWER SUPPLY HARNESS	NM0414-28	2 PER CONTROL UNIT	
OR			
10 METER POWER SUPPLY HARNESS	NM0414-33	2 PER CONTROL UNIT	
20 AMP CIRCUIT BREAKER	NJ0514-00	2 PER CONTROL UNIT	STRONGLY RECOMMENDED OPTION
BUZZER 12 VOLT SYSTEMS	NJ0596-00	(replaces NJ0251-00)	OPTION
BUZZER 24 VOLT SYSTEMS	NJ0515-00		OPTION
3300/33C SERIES CONTROL CABLE	CC633XX	1 PER ENGINE	CC633XX RECOMMENDED
OPTIONAL UPGRADES:			
HAND HELD REMOTE:			
HAND HELD CONTROL KIT	NM0906-00		TWIN ENGINE 26' WIRE FROM MOUNTING AREA SINGLE ENGINE
HAND HELD CONTROL KIT	NM0907-00		26' WIRE FROM MOUNTING AREA
REMOTE CONTROL HARNESS RELAY KIT (ENGINE CUT-OFF)	NM0616-XX		XX=LENGTH IN METERS 12 OR 24 VOLT
SYNCHRONIZATION:			
SYNC MASTER HARNESS	NM0605-01		
SYNC SLAVE HARNESS	NM0605-02		
SYNC SWITCH	NJ0524-00		
SWITCH HARNESS			IN 5 METER LENGTHS FROM 5M TO 50M
NOTES:			
<i>All Wiring harnesses are measured in meters (1 meter = 39.37 inches).</i>			
<i>XX = Control cable length in feet. Teleflex Control Cables are measured by the foot. For Morse, XXX = inches.</i>			
<i>Check with Engine Manufacturer for Engine Output information.</i>			
QUESTIONS? CALL TECH SUPPORT AT 610-495-7011.			

HAND HELD REMOTE CONTROL

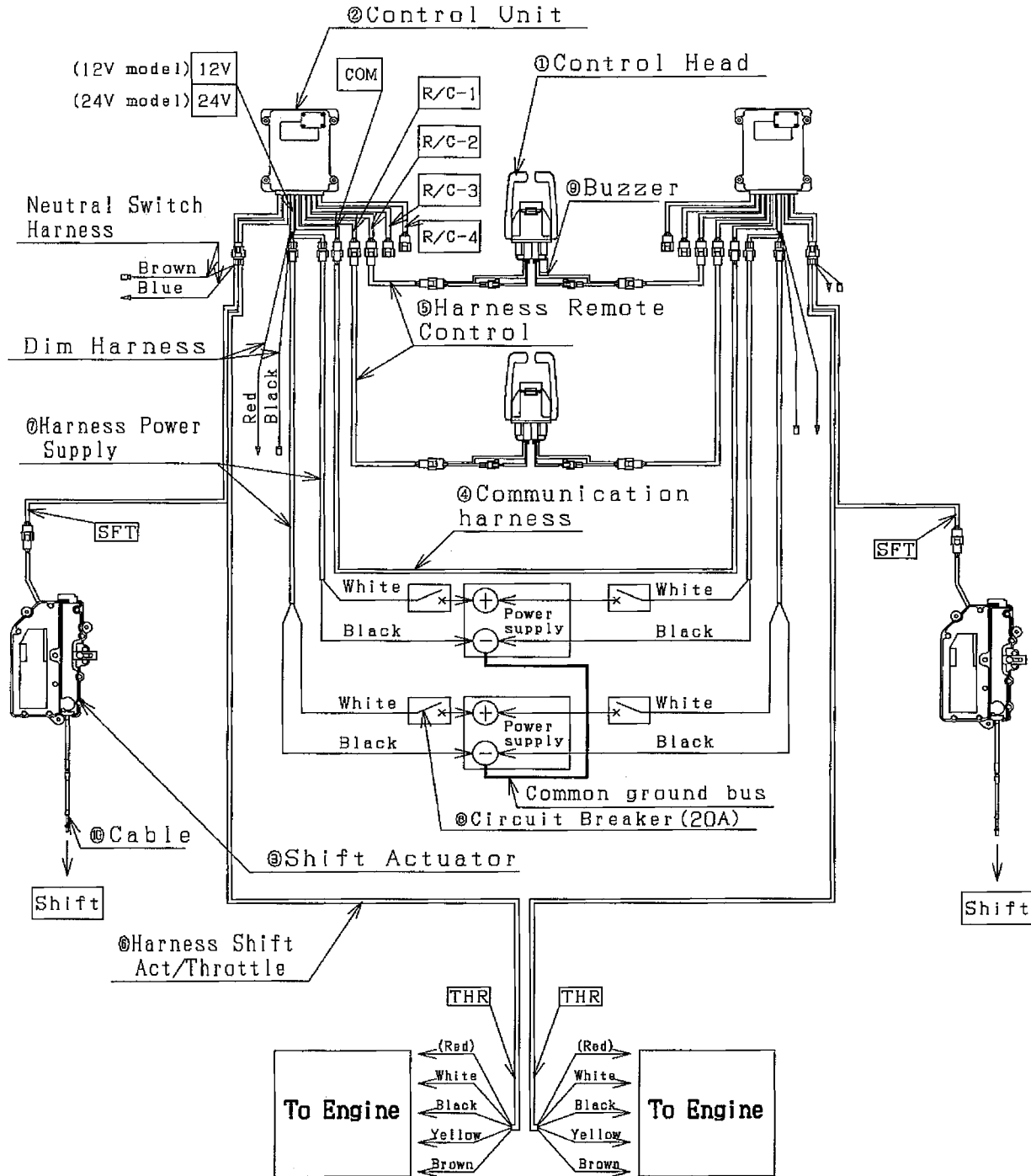


CONTROLS electronic stand-alone

Morse KE-6 controls

Basic KE-6 System Overview:

The following schematic shows elements of the KE-6 control system in a typical twin engine/twin station application. For part numbers associated with the items depicted below, please see the page at right.



CONTROLS electronic stand-alone

electronic throttle/mechanical shift, up to 4 stations

KE-6 System Components:

The following chart lists components of the KE-6 control system for each application. For an illustration of each component, please see the page at left.

No.	Name	Part No.	Required for Single engine No. of Station				Required for Two engine No. of Station				Notes	
			1st	2nd	3rd	4th	1st	2nd	3rd	4th		
1	Control Head-Single Engine	NM0511-00	1	2	3	4	-	-	-	-		
	Control Head-Twin Engine	NM0510-00	-	-	-	-	1	2	3	4		
2	Control Unit											
	24V model	NM1402-00	1	1	1	1	2	2	2	2		
	12V model	NM1401-00	1	1	1	1	2	2	2	2		
3	Shift Actuator	NM0172-00	1	1	1	1	2	2	2	2		
4	Communication											
	Harness	5m	NM0619-05	-	-	-	-	1	1	1	1	
5	Harness -	4m	NM0616-04									
	Remote	6m	NM0616-06									
	Control	8m	NM0616-08									
		10m	NM0616-10									
		12m	NM0616-12									
		14m	NM0616-14									
		16m	NM0616-16									
		18m	NM0616-18									
		20m	NM0616-20									
		22m	NM0616-22	1	2	3	4	2	4	6	8	
		24m	NM0616-24									
		26m	NM0616-26									
		28m	NM0616-28									
		30m	NM0616-30									
		32m	NM0616-32									
		34m	NM0616-34									
		36m	NM0616-36									
		38m	NM0616-38									
		40m	NM0616-40									
		50m	NM0616-50									
6	Harness -	Type1										
	Shift/	5m	NM0630-05								For current output	
	Throttle	Type2										
		5m	NM0629-05	1	1	1	1	2	2	2	2	For voltage output
		Type3										
		5m	NM0632-05									For PWM output
7	Harness -	5m	NM0414-28	2	2	2	2	4	4	4	4	
	Power	10m	NM0414-33									
8	Circuit											
	Breaker	20A	NJ0514-00	2	2	2	2	4	4	4	4	Option
9	Buzzer	24V model	NJ0515-00	1	2	3	4	2	4	6	8	Option
		12V model	NJ0596-00 (replaces NJ0251-00)									
10	Cable	3300CC/33C	CC633XX	1	1	1	1	2	2	2	2	Specify cable length
	- Hand Held	You can use the Hand Held Control in place of the Control Head (Item 1)									Option	
	Control	Consult Teleflex Marine for details. (Hand Held not shown in diagram at left.)										

NOTES:

Please refer to the NAME OF EACH PART on previous page for the item number in chart above.

Select Item #6 Harness-Shift Act/Throttle depending on the type of throttle output. Contact Teleflex Marine for more information.