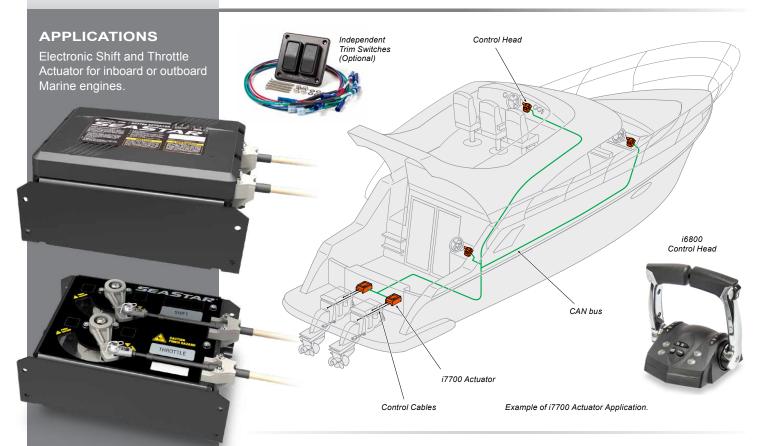
SEASTAR

i7700 Electronic Engine Control



Environmental

- Operating temperature:
 -18°C to +77°C [ISO 25197]
- Storage temperature: -40°C to +85°C [ISO 25197]
- Corrosion resistance: 300 hours salt spay [ASTM B117]
- Water ingress protection: IPX7 [IEC 60529]
- Random vibration:
 0.0284 g^2/Hz [ABYC P-24]
- Resonant vibration: 1 G zeropeak, 20-2000 Hz [ABYC P-24]
- Mechanical shock:
 50 G, 11 m-sec half-sine shape
 [ISO 25197]
- Ignition protection: SAEJ-1171
- Meets EN60945 electromagnetic compatibility requirement

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FEATURES

- Two cable actuators in a single chassis for complete shift and throttle control
- Utilizes automotive high speed CAN network (250 kbps)
- Maximum programmable cable travel: 3.14" (80 mm)
- Maximum load capability: 135 lbs [600 N]
- · Maximum cable speed: 4.72 in/s [120 mm/s]
- Unit weight: 15 lbs [6.75 kg]
- Programmable home position
- Standard or customizable throttle curves forward and reverse
- Compatible with SeaStar's Xtreme family of control cables (CCX633XX series)
- Dual redundant position sensing on all moving components
- Rugged electronics for 12 VDC applications
- Integrated neutral start protection (NSP) switch

- · Low backlash position control
- Meets or exceeds ABYC, CE, ISO and SAE electrical and environmental requirements
- RPM input: NMEA 2000 or analog pulse compatible
- · User settable trolling mode
- Single lever operation syncs both engine RPM's
- Control head features universal trim switch model built into port handle
- Independent trim switches available (dash mount kit HA5491)
- Maximum of three control heads per vessel
- Single or twin engine applications
- Override feature provides simple shift and throttle emergency engagement

NOTE: Requires Setup Tool EPSK1207 for installation.







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i7700 SYSTEMS

Additional NMEA Harness Lengths			
Part No.	Length (feet)		
CM10001	1'		
CM10003	3'		
CM10006	6'		
CM10009	9'		
CM10012	12'		
CM10020	20'		
CM10030	30'		

ADDITIONAL STATIONS SYSTEMS

TOOL REQUIRED TO SET UP SYSTEM	EST Display setup tool for configuration (EPSK1207)						
Base Systems - Single Station Kits	Kit Part #	i7711	i7751	i7712	i7752		
		Single Engine	Single Engine with Trim	Dual Engine	Dual Engine with Trim		
ACTUATORS	ACTUATORS						
Actuator, i7700 Universal	AC7700	1	1	2	2		
CONTROL HEAD KITS							
Single Top Mount, Control Head Kit	CH6810NT	1	-	-	-		
Single Top Mount, Control Head Kit, with Trim	CH6810	-	1	-	-		
Dual Top Mount Control Head Kit	CH6800NT	-	-	1			
Dual Top Mount Control Head Kit, with Trim	CH6800	-	-	-	1		
HARNESSES/TEES							
NMEA Communication Kit (2 tees, 1 male and 1 female terminator)	CM20001	1	1	1	1		
Single CanBus Tee	CM10060	-	-	1	1		
Micro C Ext, M-F (6ft CAN bus harness)	CM10006	1	1	1	1		
Micro C Ext, M-F (12ft CAN bus harness)	CM10012	1	1	1	1		
Micro C Ext, M-F (20ft CAN bus harness)	CM10020	1	1	1	1		
MANUALS							
Book # 79 i7700 User Manual (stand alone)	710465	1	1	1	1		
Book # 77 i7700 Installation Manual	710351	1	1	1	1		
Quick Ref. – Single	710038	1	1	-	-		
Quick Ref. – Dual	710013	_	-	1	1		
OPTIONAL ACCESSORIES							
Dual trim switch panel for independent operation	HA5491	-	-	-	-		

Additional Stations Kits	Kit Part #	i7711A	i7751A	i7712A	i7752A
		Single Engine	Single Engine with Trim	Dual Engine	Dual Engine with Trim
CONTROL HEAD KITS					
Single Top Mount, Control Head Kit	CH6810NT	1	-	-	-
Single Top Mount, Control Head Kit, with Trim	CH6810	-	1	-	-
Dual Top Mount Control Head Kit	CH6800NT	-	-	1	-
Dual Top Mount Control Head Kit, with Trim	CH6800	-	-	-	1
HARNESSES/TEES					
Single Tee	CM10060	1	1	1	1
Micro C Ext, M-F (30ft CAN bus harness)	CM10030	1	1	1	1

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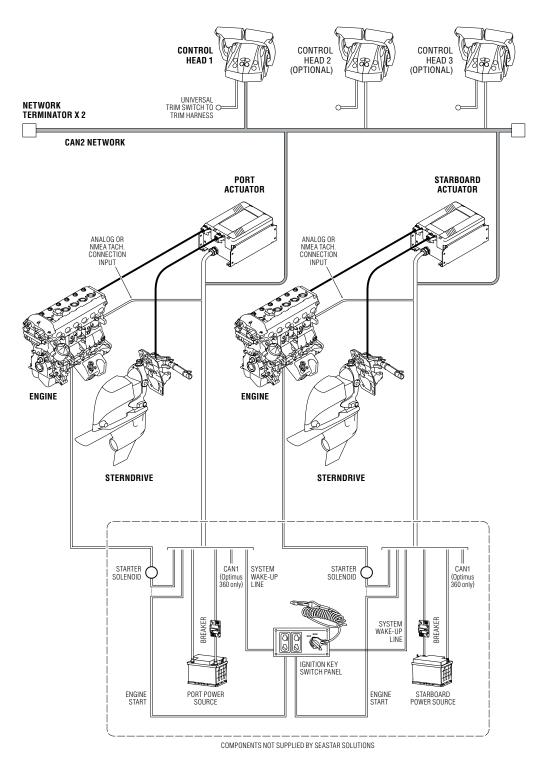




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SPECIFICATIONS

Load vs. Actuation Speed		
Load (lbs)	Speed (in/sec)	
0	4.72	
40	3.14	
135	0.787	



Example of a twin engine sterndrive system.

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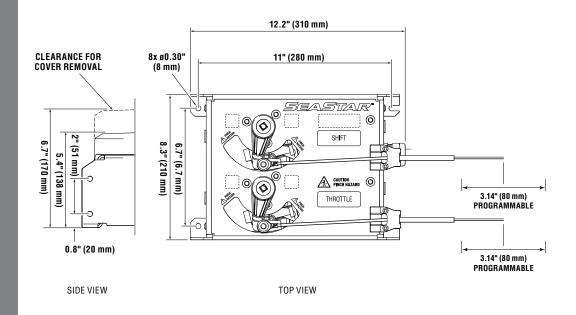


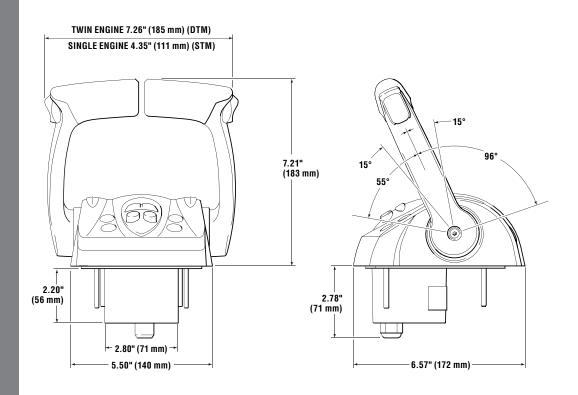


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DIMENSIONAL DATA





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