

## DRAWING AND PART NUMBER

AE-2508

ALTERATION				ISSUE No. ENCLOSED THIS				LATEST ISSUE CANCELS ALL PREVIOUS ISSUES			
ISSUE	DATE	D.A. No.	INITIALS	ISSUE	DATE	D.A. No.	INITIALS	ISSUE	DATE	D.A. No.	INITIALS
2	25.7.70	100	GC	3	22.1.71	100	GC				
3	12.10.70	100	GC	4	3.3.71	100	GC				
4	27.11.70	100	GC								

ARROWS & NOTATION IN CIRCLES  
REPRESENT THRUST FROM  
VOITH SCHNEIDER PROPELLERS.

MOVEMENT IN T DIRECTION INCREASES OUTPUT VOLTS  
LVDT BLUE WIRE CONNECTED TO 0V  
LVDT GREEN WIRE CONNECTED TO AMP

MOVEMENT IN D DIRECTION  
INCREASES OUTPUT VOLTS  
LVDT GREEN WIRE CONNECTED TO 0V  
LVDT BLUE WIRE CONNECTED TO AMP

MOVEMENT IN B DIRECTION  
INCREASES OUTPUT VOLTS  
LVDT BLUE WIRE CONNECTED TO 0V  
LVDT GREEN WIRE CONNECTED TO AMP

MOVEMENT IN T DIRECTION  
INCREASES OUTPUT VOLTS  
LVDT BLUE WIRE CONNECTED TO 0V  
LVDT GREEN WIRE CONNECTED TO AMP

MOVEMENT IN D DIRECTION  
INCREASES OUTPUT VOLTS  
LVDT GREEN WIRE CONNECTED TO 0V  
LVDT BLUE WIRE CONNECTED TO AMP

MOVEMENT IN B DIRECTION INCREASES OUTPUT VOLTS  
LVDT BLUE WIRE CONNECTED TO 0V  
LVDT GREEN WIRE CONNECTED TO AMP

IF MOVEMENT OF ACTUATOR PRODUCES WRONG  
SHIP DIRECTION CORRECT AT ACTUATOR  
SOLENOIDS & FEEDBACK LVDT

DIRECTIONAL ARROWS B, C, D OR T REPRESENT SHIP MOVEMENT

IDENTIFICATION NUMBERS STAMPED ON SYSTEM COMPONENTS

	SHIP #1		SHIP #2	
	N1 PROPELLER	N2 PROPELLER	N1 PROPELLER	N2 PROPELLER
CONTROL CHASSIS	1A	1B	2A	2B
FORWARD BRIDGE CONTROL PLATE	1C	1E	2D	2E
STEERING BRIDGE CONTROL PLATE	1G	1F	2G	2F
CONTROL VALVE PLATE	1H	1M	2H	2M
PITCH ACTUATOR	1J	1L	2J	2L
FLYSE PLATE	1K	1N	2K	2N

MOTION	N1 PROPELLER	N2 PROPELLER
FORWARD	REVERSE T241 & T243	REVERSE T441 & T443
ASTERN	REVERSE T242 & T244	REVERSE T442 & T444
PORT	REVERSE T245 & T247	REVERSE T445 & T447
STARBOARD	REVERSE T246 & T248	REVERSE T446 & T448

THIS DRAWING IS DASHED AT 1/2 SCALE FOR THE PURPOSE OF RELATING  
ACTUATOR OUTPUT MOVEMENT WITH MOVEMENT OF INITIATING CONTROL LEVER OR HANDWHEEL

DRAWN BY: J. CROSS	DRAWN TO FIRST ANGLE PROJECTION THUS:	REMARKS: REL TO CONTRACT AEG 3753	SCALE UNITS ARE GIVEN IN THOUS THUS: 1" = 10"	EXCEPT UNIFORM TO B.S. 4 CLOSE FIT MARKED THUS:	FOR UNIFORM THREADS TO B.S. 1980
CHECKED		FINISHING SYMBOLS: FRESH MACHINED:  TURN, MILL, PLANE, Etc. PARTICULAR FINISH IS ABSOLUTELY NECESSARY. INSERT APPROPRIATE B.S. 1980 LETTER IN TRIANGLE. UNLESS OTHERWISE SPECIFIED SURFACE FINISH ACCEPTED: AS CAST, FORGED, WELDED OR PLANE CUT, Etc.	MATERIAL	HEAT TREATMENT	
DATE: 29.9.70	DESIGN: PRODN:		PART NAME DIAGRAMMATIC ARRANGEMENT PROPELLER CONTROLS	DRAWING AND PART NUMBER AE-2508	
			SCALE: 1" = 10"	REGULATEURS EUROPA LTD., COLCHESTER.	

IF IN DOUBT, ASK.