

CIRCUIT IS DRAWN FOR A VALVE IN THE FULLY CLOSED POSITION  
 FOR MODEL No.98A99- P.R.D.s (BLACK CASE) WIRE 54 CONNECTS TO 0V.

CIRCUIT DIAGRAM No - REV

1411-55-02

**WARNING**

DO NOT RUN ACTUATOR TO LIMITS WITH INCORRECT PHASE ROTATION

- O - OPEN
- C - CLOSE
- OC - OPEN CONTACTOR
- CC - CLOSE CONTACTOR
- OC1 & CC1 - CONTACTOR INTERLOCK
- OC2 & CC2 - CONTACTOR MAINTAINING CONTACT
- OC3 & CC3 - CONTACTOR AUXILIARY CONTACT

T/LS - TORQUE/LIMITSWITCH

AS1 - AUXILIARY LIMIT SWITCH MAKE CONTACT AT END OF TRAVEL

AS2 - AUXILIARY LIMIT SWITCH BREAK CONTACT AT END OF TRAVEL

— — — — — LINK SUPPLIED BY ROTORK

R - RELAY

R1 & R2 - RELAY CONTACTS

M - MONITOR

FOR TYPICAL REMOTE CONTROL INDICATING, MONITORING AND ALARM CIRCUITS SEE PUBLICATION AE4.0

FUSES FS1, 2, 3 & PH 500 mA

WIRES ARE IDENTIFIED AT EACH END BY TERMINAL No. OR BY WIRE No. SHOWN

—//— INDICATES TWO WIRES TERMINATED

IAS1/2/3 - ADJUSTABLE TO OPERATE TOGETHER AT ANY POSITION (DRAWN AS FOR EXTRA OPEN AUXILIARY)


IAS4/5/6 - ADJUSTABLE TO OPERATE TOGETHER AT ANY POSITION (DRAWN AS FOR EXTRA CLOSE AUXILIARY)

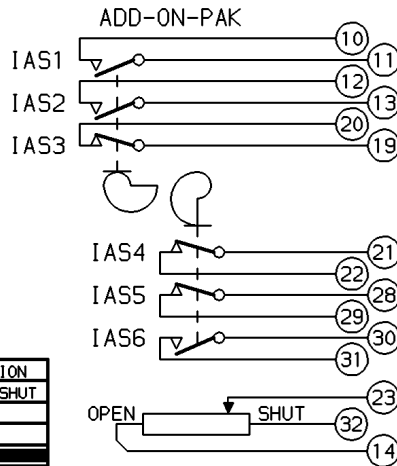
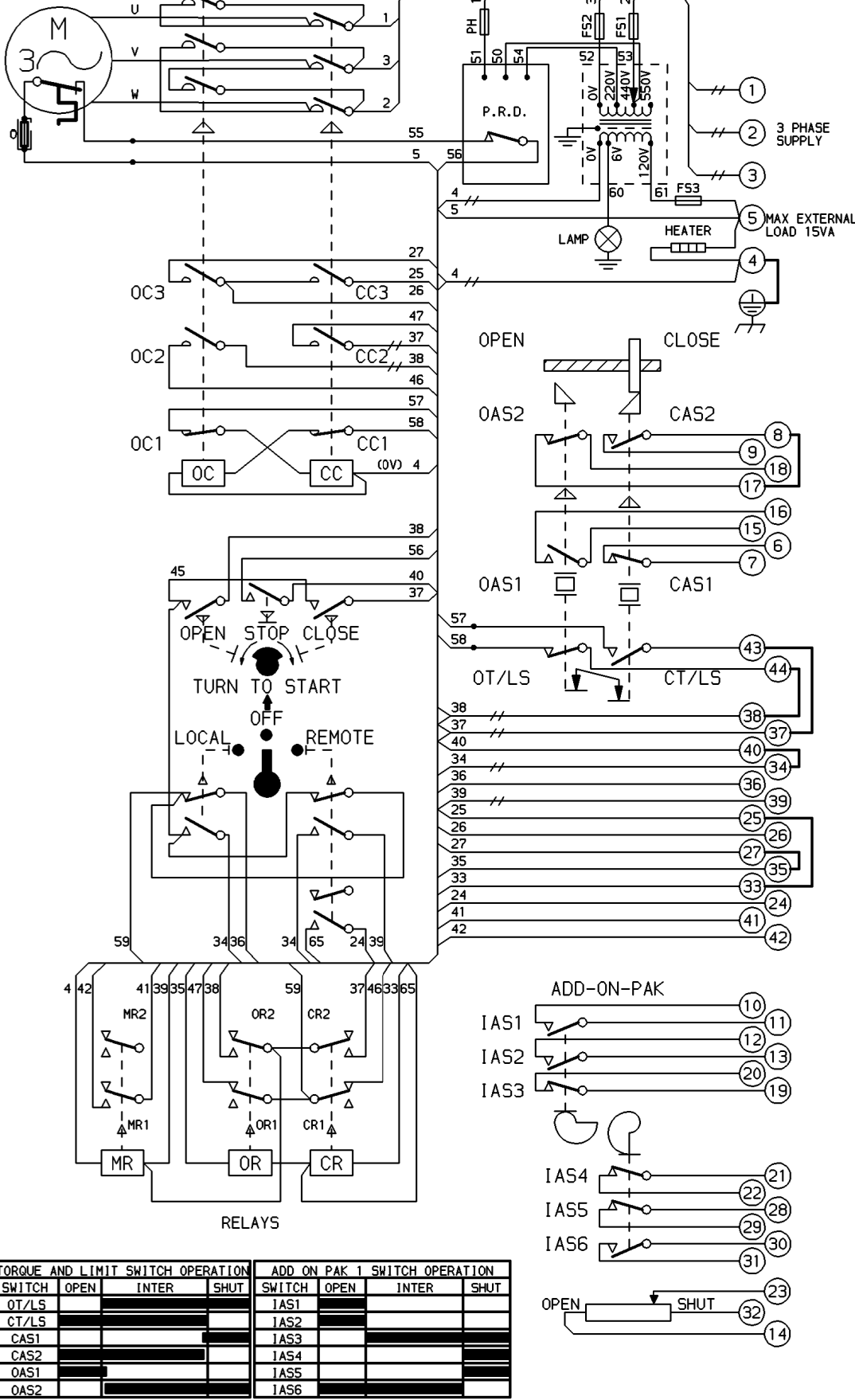
IAS 1 TO 6 INTERMEDIATE AUXILIARY SWITCHES, CONTACT FUNCTIONS MAY BE REVERSED BY SETTING CAM TO RELEASE INSTEAD OF DEPRESS SWITCH AS ILLUSTRATED

CONTROL CIRCUIT SCHEMATIC No. WS1411-55

C.S.A. NOTE.

FOR C.S.A. ONLY FUSES FS1 & FS2 ARE NOT FITTED. POTENTIOMETER SUPPLY TO BE FUSED. ( 1 AMP MAXIMUM )

 THERMAL FUSE.ATEX APPROVED UNITS ONLY.



TORQUE AND LIMIT SWITCH OPERATION				ADD ON PAK 1 SWITCH OPERATION			
SWITCH	OPEN	INTER	SHUT	SWITCH	OPEN	INTER	SHUT
OT/LS				IAS1			
CT/LS				IAS2			
CAS1				IAS3			
CAS2				IAS4			
OAS1				IAS5			
OAS2				IAS6			

INDICATES SWITCH MADE

No	DATE	REVISION
01	110405 P.J.W	ATEX THERMAL FUSE ADDED CHECKED D.A



ROTORK CONTROLS LTD  
 BATH ENGLAND, BA1 3JQ.  
 (Phone 01225-733200)

ROTORK CONTROLS INC  
 ROCHESTER, NY 14624.  
 (Phone 585-328-1550)

DRAWN BY KS  
 DATE 101285  
 CHECKED AS

SIMILAR TO --  
 JOB No --  
 M.I.No --

**1400 SERIES SYNCROPAK WITH  
 PRD + AOP1 + INT & MON RLY**

CIRCUIT DIAGRAM No -REV  
**1411-55-02**