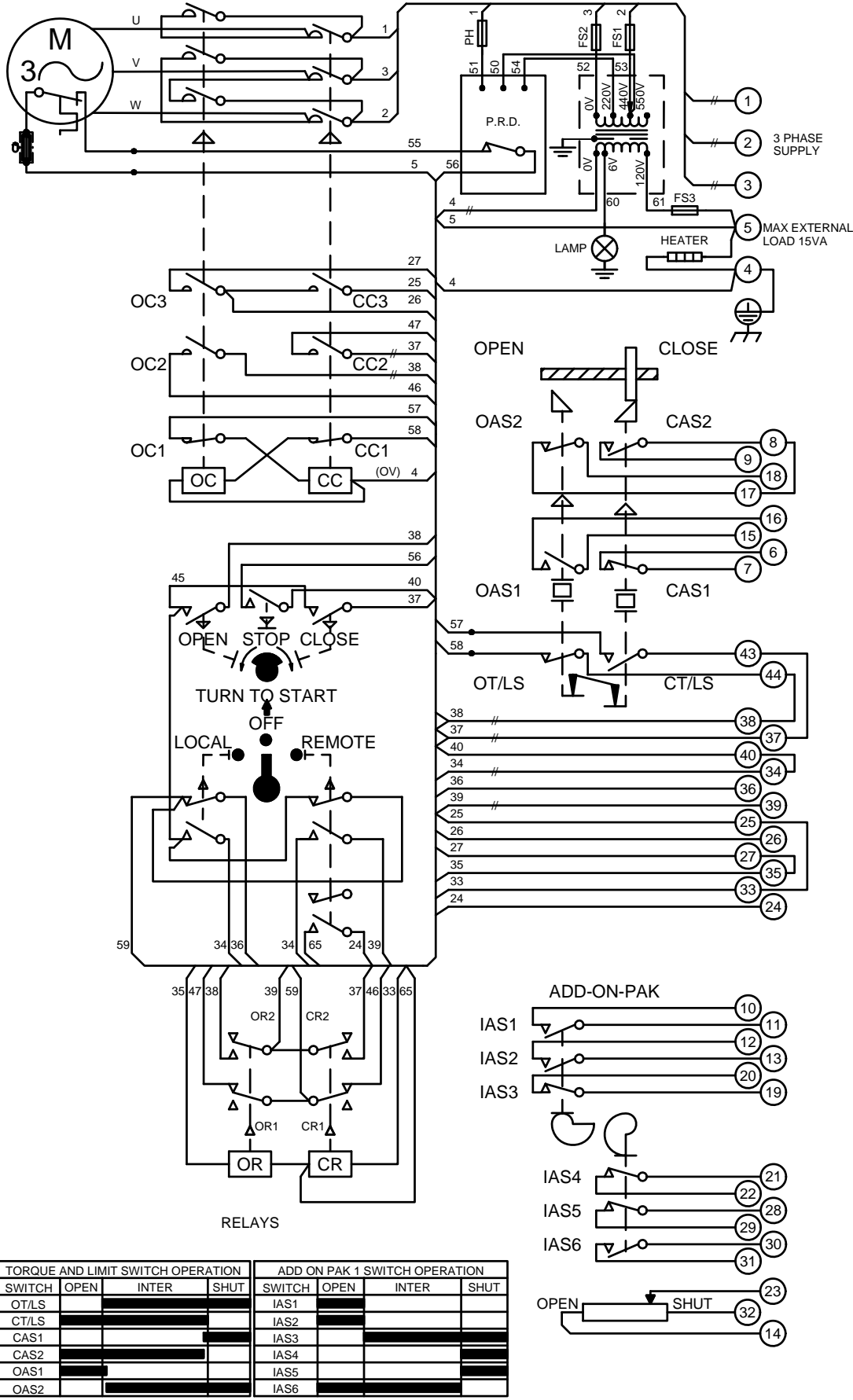


CIRCUIT IS DRAWN FOR A VALVE IN THE FULLY CLOSED POSITION

FOR MODEL No.98A99- P.R.D.s (BLACK CASE) WIRE 54 CONNECTS TO OV.



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

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)

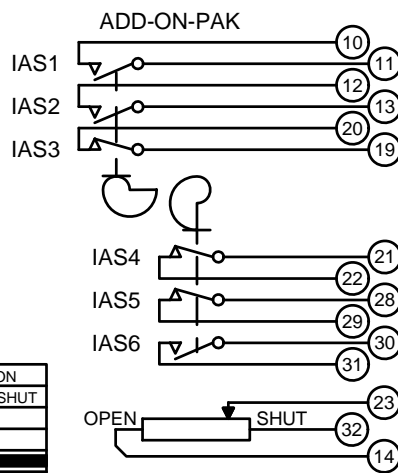
IAS 1 TO 6 INTERMEDIATE AUXILIARY SWITCHES, CONTACT FUNCTIONS MAY BE REVERSED BY SETTING CAM TO RELEASE INSTEAD OF DEPRESS SWITCH AS ILLUSTRATED

CONTROL CIRCUIT SCHEMATIC
No. WS1411-52

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

Iss	Date	Chkd	Revision Details
2	031110	JC1	Atex fuse added + converted to SE format.

www.rotork.com

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Tel:585-247-2304

1400 SERIES SYNCROPAK WITH PRD INTERPOSING RELAYS & AOP1

Drawn by: PJW
Date : 031110
Base WD: 1411-52
Job No :
MI No :.

Circuit Diagram No	Issue No
1411-52	2