

CIRCUIT IS DRAWN FOR A VALVE IN THE FULLY CLOSED POSITION WITH POWER OFF.

CIRCUIT DIAGRAM No - REV

1612X70-04

TRANSFORMER TAPPING OPTIONS

Pt No 33653 (TYPE AA)

TAP	NOM 50/60HZ	50HZ	60HZ
W	220/230	176-242	198-259
X	380/400	304-418	342-446
Y	415/420	332-457	374-487
Z	440/460	352-484	396-517

FUSE QF2 - 250mA ANTI-SURGE  
Pt No 33642 (TYPE BB)

TAP	NOM 50/60HZ	50HZ	60HZ
W	346/380	285-388	321-419
X	480/500	406-552	432-564
Y	240/240	192-261	216-282
Z*	550/575	445-605	501-654

FUSE QF2 - 250mA ANTI-SURGE  
\* 150mA ANTI-SURGE  
Pt No 31836 (TYPE C)

TAP	NOM 50/60HZ	50HZ	60HZ
W	346/380	285-388	321-419
X	660/660	534-726	600-726

FUSE QF2 - 150mA ANTI-SURGE  
ALL TRANSFORMER TYPES - QF4 500mA SLOW BLOW  
WHEN FITTED QF1 AND QF3 WILL BE AS QF2.

MAX EXTERNAL LOAD ON TERMINALS 4 & 5 TO BE EVA.

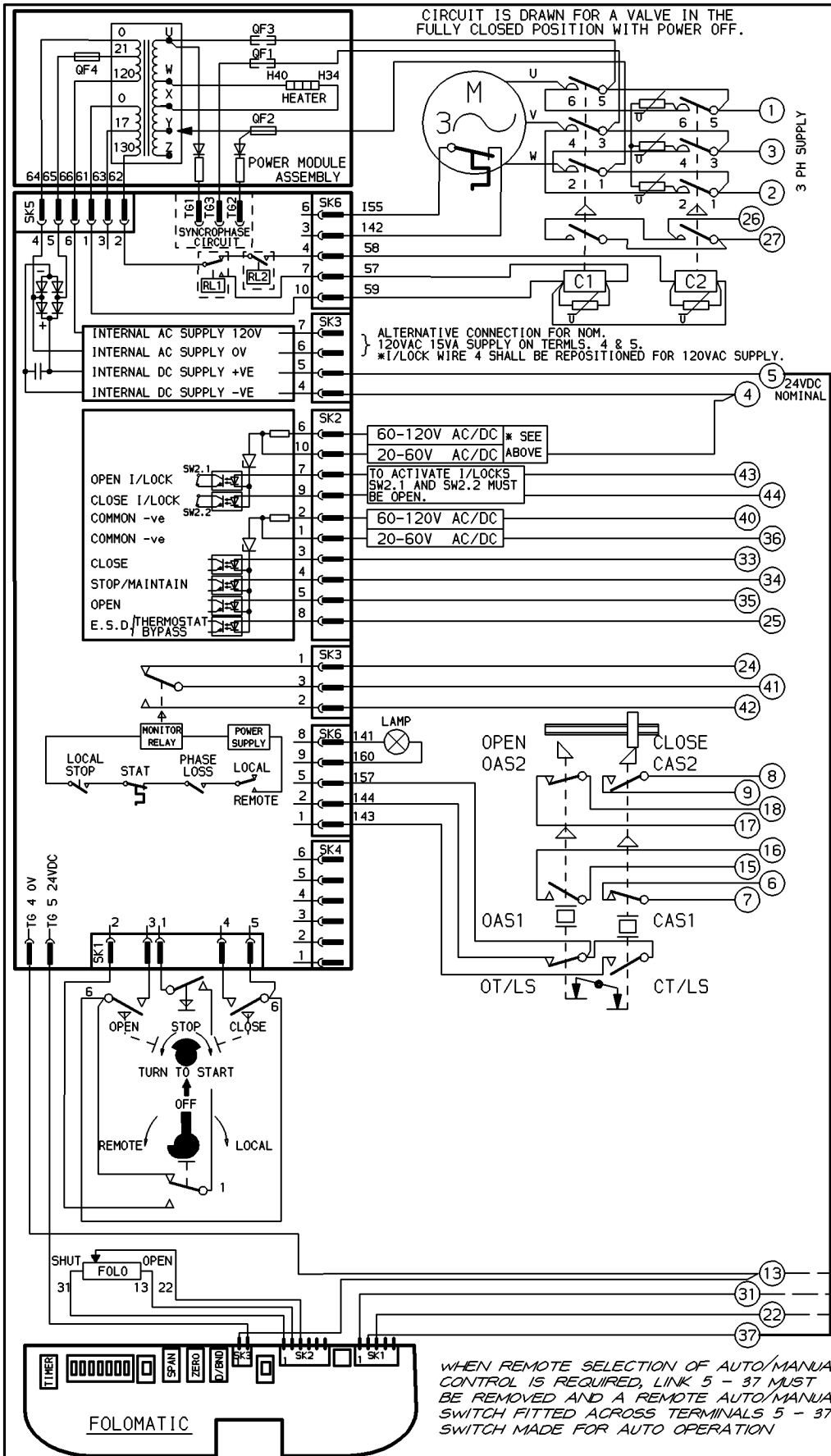
O - OPEN  
C - CLOSE  
C1 & C2 - CONTACTOR COILS.  
T/L/S - TORQUE/LIMITSWITCH  
AS1 - AUXILIARY LIMIT SWITCH MAKE CONTACT AT END OF TRAVEL  
AS2 - AUXILIARY LIMIT SWITCH BREAK CONTACT AT END OF TRAVEL  
WIRES ARE IDENTIFIED AT EACH END BY TERMINAL No. OR BY WIRE No. SHOWN

FOR TYPICAL REMOTE CONTROL INDICATING, MONITORING AND ALARM CIRCUITS SEE PUBLICATION AE4/2  
CONTROL SIGNAL THRESHOLD VOLTAGES MAXIMUM 'OFF' 3V.  
MINIMUM CONTROL SIGNAL 300mS.  
E. S. D. CONTROL SIGNAL VOLTAGE MUST BE EQUAL TO OR GREATER THAN ALL OTHER CONTROL SIGNAL VOLTAGES.

TORQUE AND LIMIT SWITCH OPERATION			
SWITCH	OPEN	INTER	SHUT
OT/LS			
CT/LS			
CAS1			
CAS2			
OAS1			
OAS2			

INDICATES SWITCH MADE

ANALOGUE INPUTS (FOR DETAILS, SEE ROTORK PUBLICATION AE4/0.1)  
MANUAL/AUTO.



WHEN REMOTE SELECTION OF AUTO/MANUAL CONTROL IS REQUIRED, LINK 5 - 37 MUST BE REMOVED AND A REMOTE AUTO/MANUAL SWITCH FITTED ACROSS TERMINALS 5 - 37 SWITCH MADE FOR AUTO OPERATION

No	DATE	REVISION
04	070194 J.C	SIMILAR TO 1612X70 JOB No. --- AUTO/MANUAL CHANGED P. J. W



ROTORK CONTROLS LTD  
BATH ENGLAND, BA1 3JQ.  
tel (0225) 428451  
ROTORK CONTROLS INC  
ROCHESTER, NY 14624.  
tel (716) 328-1550

DRAWN T.A  
DATE 200891  
CHECKED K.S  
DATE 200891

1600 MK5 + POT +  
FOLOMATIC.  
CIRCUIT DIAGRAM No -REV  
1612X70-04