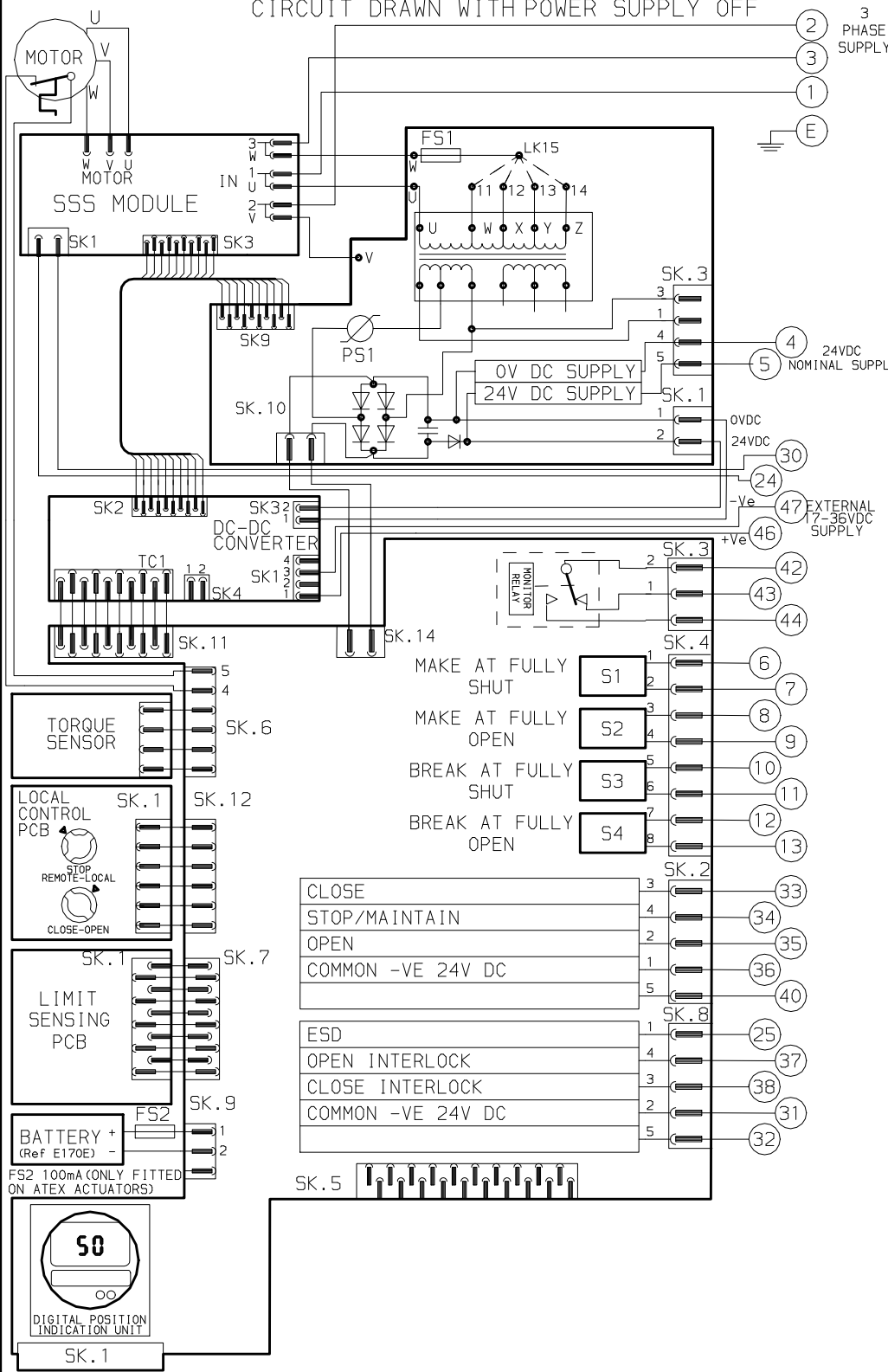


CIRCUIT DRAWN WITH POWER SUPPLY OFF



FOR TYPICAL REMOTE CONTROL DETAILS SEE DOCUMENT RWS500

TRANSFORMER TAPPING OPTIONS

TYPE 1

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 FS1 - 250mA ANTI-SURGE

TYPE 2

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	501-625

FUSE FS1 - 250mA ANTI-SURGE

THE ACTUATOR MUST BE PROTECTED USING SUITABLY RATED HIGH SPEED SEMI-CONDUCTOR FUSES ON THE INCOMING SUPPLY.

SUGGESTED FUSES:-
 IQ10-20:10 Amp Ferraz G330010
 IQ25-35:20 Amp Ferraz K330013
 or EQUIVALENT PROTECTIVE DEVICE.

ALL TRANSFORMER TYPES - PS1 SELF RESETTING FUSE

NOTE

REFER TO PUBLICATION E170E FOR APPROVED FUSES FS1 AND FS2.

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

CONTROL SIGNAL THRESHOLD VOLTAGES TO BE MINIMUM 'ON' 20V AC/DC
 MAXIMUM 'OFF' = 3V
 MINIMUM CONTROL SIGNAL DURATION TO BE 100ms.

CURRENT DRAWN FROM EACH REMOTE CONTROL SIGNAL IS 5mA ON 24V DC

FOR TYPICAL REMOTE CONTROL INDICATING, MONITORING AND ALARM CIRCUITS SEE PUBLICATION E420E

AUX POWER SUPPLY
 A PERMANENT 17-36VDC SUPPLY SUPPORTS THE ACTUATOR POSITION UPDATING CIRCUITS AND THE LCD DISPLAY WHEN THE MAINS POWER SUPPLY IS REMOVED.
 ON RE-INSTATING THE MAINS, THE AUX SUPPLY IS AUTOMATICALLY SWITCHED OUT.
 A HEALTHY BATTERY WILL ALSO PERFORM THIS FUNCTION IF MAINS AND AUX POWER ARE BOTH REMOVED TOGETHER

INDICATION CONTACTS S1-S4 ARE SHOWN IN THEIR DEFAULT CONFIGURATION. CONTACTS MAY BE CONFIGURED FOR ANY OF THE FUNCTIONS DESCRIBED IN E170E

No.	DATE	REVISION DETAILS
01	130513 PJW	FIRST ISSUE

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CONFIG BY JC1
 DATE 130513
 CHECKED PJW
 BASE WD 5050-000
 JOB No --
 M.I.No .

IQM + AUX POWERED CPT
 CIRCUIT DIAGRAM No -REV 102
5050-000-01
 B1 C1 B2 C2