

CIRCUIT DRAWN WITH  
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL  
DETAILS SEE DOCUMENT  
**RWS301**

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	501-654

FUSE FS1 - 250mA ANTI-SURGE

TYPE 3

TAP	NOM 50/60HZ	50HZ	60HZ
X	660/660-690	534-726	600-726
Y	690/---	558-759	

FUSE FS1 - 150mA ANTI-SURGE

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 15VA.

CONTROL SIGNAL THRESHOLD VOLTAGES  
TO BE MINIMUM 'ON' 20V AC/DC  
MAXIMUM 'OFF' = 3V  
MINIMUM CONTROL SIGNAL DURATION  
TO BE 300mS.

CURRENT DRAWN FROM EACH REMOTE  
CONTROL SIGNAL IS 5mA ON 24V DC  
OR 12mA ON 120V AC

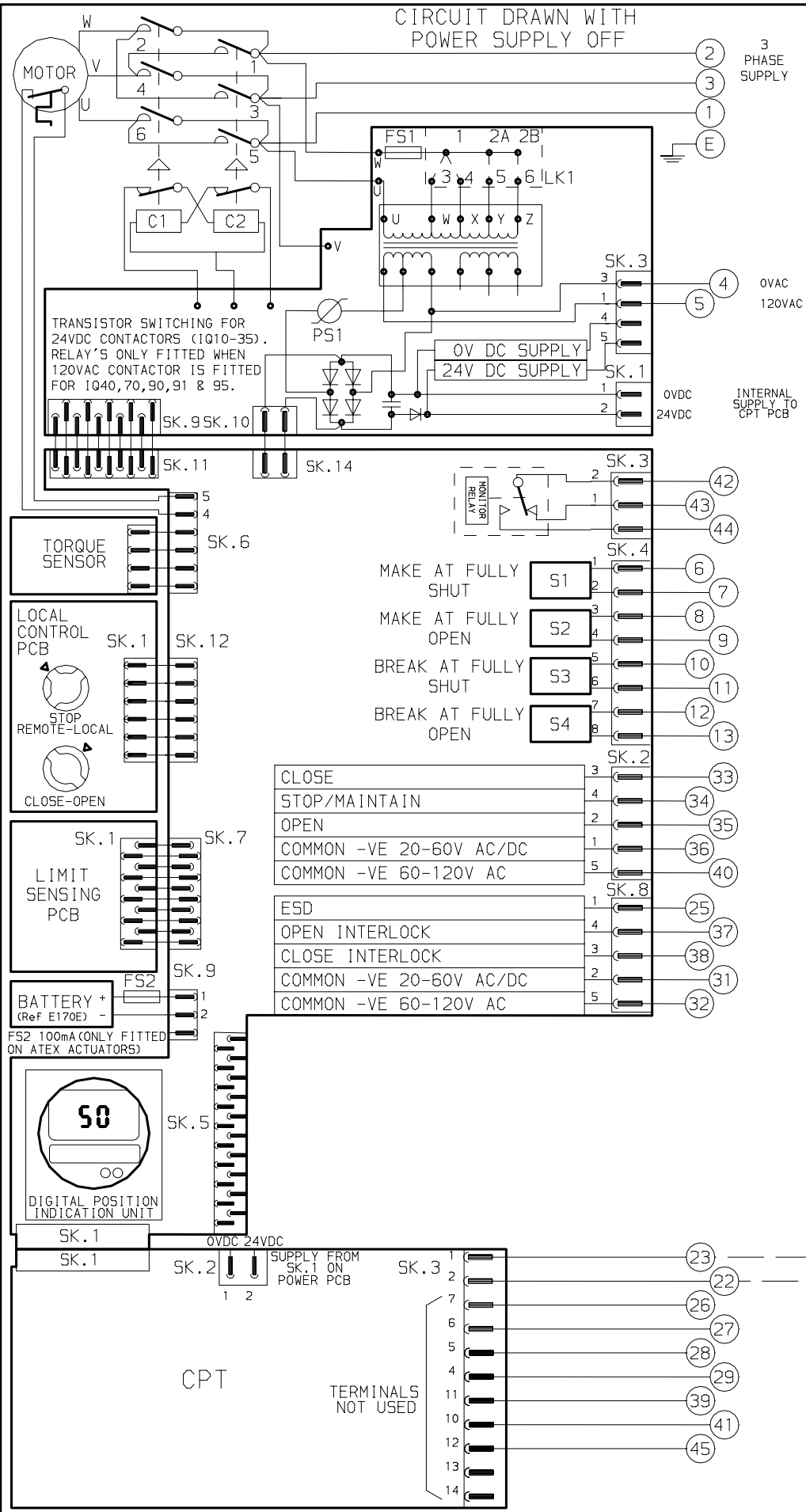
WIRES ARE IDENTIFIED AT EACH END  
BY TERMINAL No. OR TAG No.

+ve 24VDC NOMINAL  
-ve (20-40VDC MAX)

NOTE-UNDER LOSS OF AC POWER  
CPT OUTPUT WILL GO TO 4mA

FOR DETAILS OF CPT FUNCTIONS  
REFER TO ROTORK PUBLICATION E120E

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



- MAKE AT FULLY SHUT S1
- MAKE AT FULLY OPEN S2
- BREAK AT FULLY SHUT S3
- BREAK AT FULLY OPEN S4

- CLOSE
- STOP/MAINTAIN
- OPEN
- COMMON -VE 20-60V AC/DC
- COMMON -VE 60-120V AC
- ESD
- OPEN INTERLOCK
- CLOSE INTERLOCK
- COMMON -VE 20-60V AC/DC
- COMMON -VE 60-120V AC

No	DATE	REVISION DETAILS
01		

**www.rotork.com**

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ENGLAND  
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ROTORK CONTROLS INC  
ROCHESTER  
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CONFIG BY PJW  
DATE 210409  
CHECKED JC1  
BASE WD --  
JOB No --  
M. I. No .

**IQ + EXT PWR CPT +  
120VAC CONTROL SUPPLY**

CIRCUIT DIAGRAM No -REV 102  
**3060-001-01**

B1 C1 B2 C2