

CIRCUIT DRAWN WITH  
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL  
DETAILS SEE DOCUMENT  
**RWS312**

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 5W.

CONTROL SIGNAL THRESHOLD VOLTAGES  
TO BE MINIMUM 'ON' 14V AC/DC  
MAXIMUM 'OFF' = 3V  
MINIMUM CONTROL SIGNAL DURATION  
TO BE 300ms.

MAXIMUM VOLTAGE BETWEEN  
ADJACENT CHANNELS NOT  
TO EXCEED 50V.

OPEN/CLOSE/ESD REMOTE INPUTS ARE  
DESIGNED FOR USE WITH SOLID STATE  
CONTACTS THAT MAY HAVE A MAXIMUM  
LEAKAGE CURRENT OF 1.4mA IN THE  
'OFF' STATE.

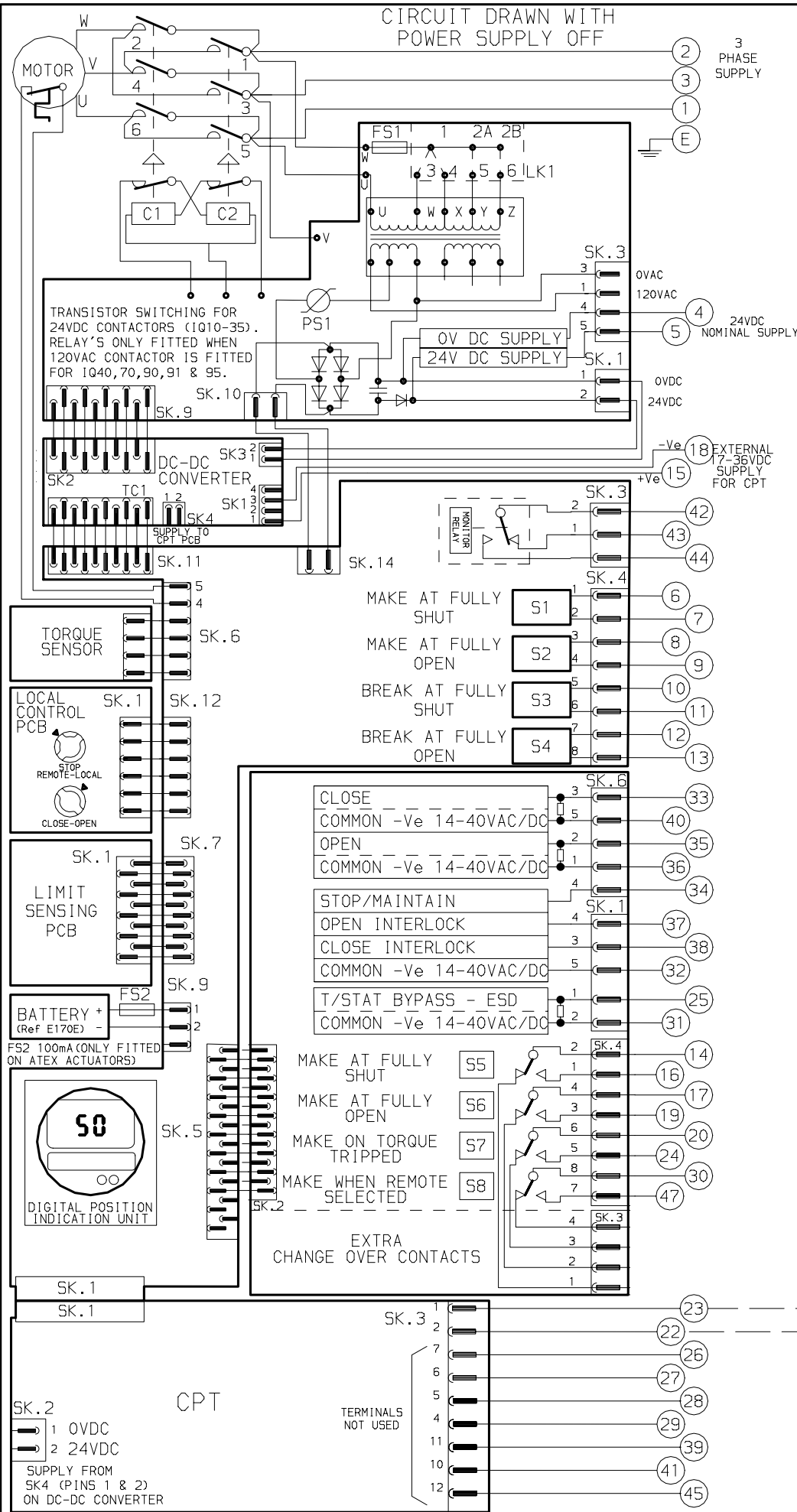
CURRENT DRAWN FROM EACH REMOTE  
CONTROL SIGNAL IS 5mA ON 24V DC  
WIRES ARE IDENTIFIED AT EACH END  
BY TERMINAL No. OR TAG No.

CPT WILL FUNCTION NORMALLY WITH  
3-PH POWER & NO AUX PWR,  
BUT ON LOSS OF 3-PH CPT OUTPUT WILL  
GO TO 0mA UNLESS AUX PWR IS FITTED

-ve (A) +ve

FOR DETAILS OF CPT FUNCTIONS  
REFER TO ROTORK PUBLICATION E120E

INDICATION CONTACTS S1-S4 AND EXTRA  
INDICATION CONTACTS S5-S8 ARE SHOWN  
IN THEIR DEFAULT CONFIGURATION.  
CONTACTS MAY BE CONFIGURED FOR ANY  
OF THE FUNCTIONS DESCRIBED IN E170E



No	DATE	REVISION DETAILS
01		

**www.rotork.com**

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CONFIG BY PJW  
DATE 300709  
CHECKED JC1  
BASE WD 3140C000  
JOB No **NL9134**  
M. I. No MIO3690

**IQ + AUX POWERED CPT  
BBC REM & IND RELAYS**

CIRCUIT DIAGRAM No -REV 102  
**3140C000-01**

B1 C1 B2 C2 B1 C1 M1 V1