

CIRCUIT DRAWN WITH  
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL  
DETAILS SEE DOCUMENT  
**RWS300**

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  
FUZE

NOTE

REFER TO PUBLICATION E170E FOR  
APPROVED FUSES FS1 AND FS2.

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

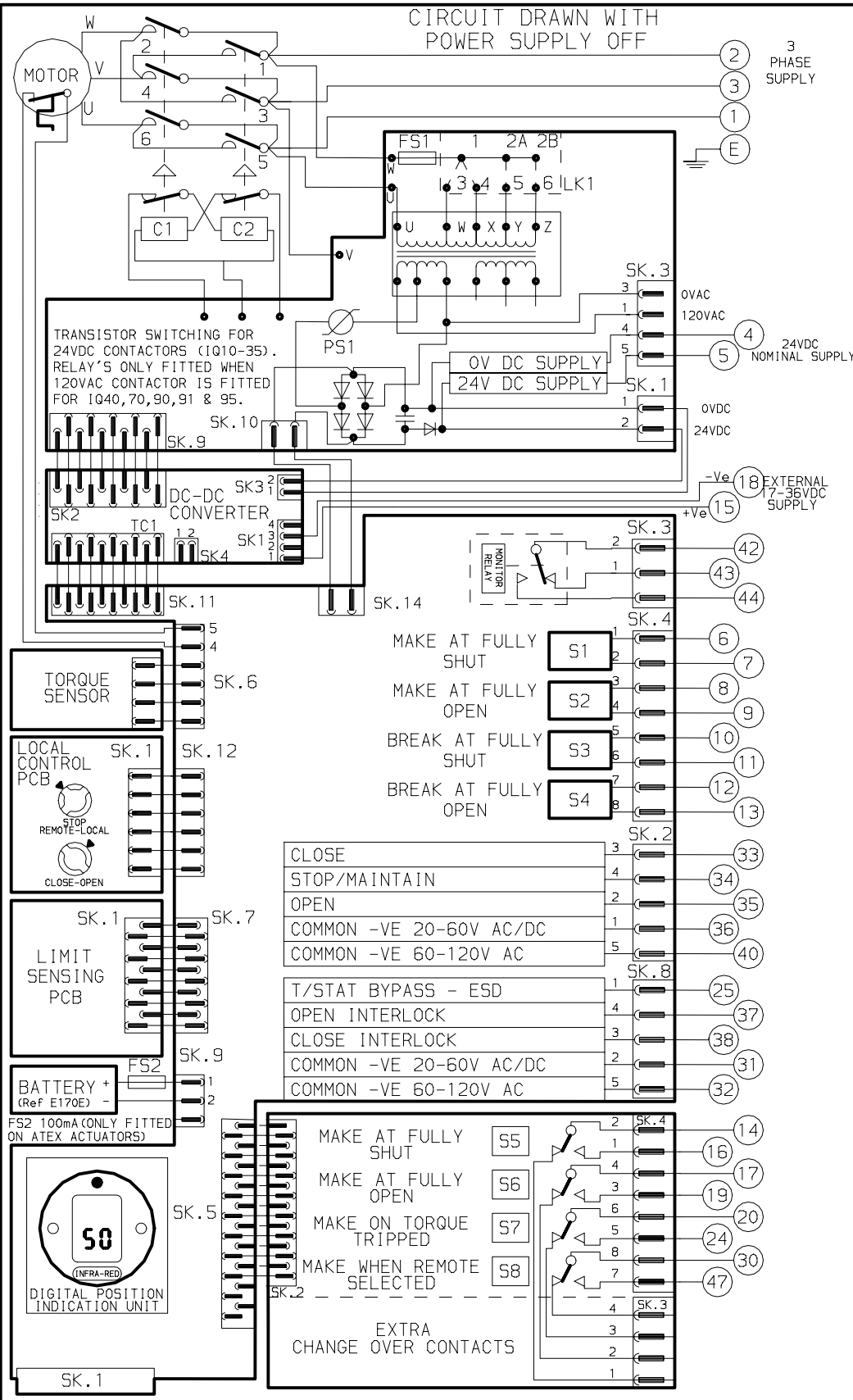
CONTROL SIGNAL THRESHOLD VOLTAGES  
TO BE MINIMUM 'ON' 20V AC/DC  
MAXIMUM 'OFF' = 3V  
MINIMUM CONTROL SIGNAL DURATION  
TO BE 300mS.

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.

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

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-INSTANTING THE MAINS, THE AUX  
SUPPLY IS AUTOMATICALLY SWITCHED  
OUT.  
A HEALTHY BATTERY WILL ALSO PERFORM  
THIS FUNCTION.  
IF MAINS & AUX POWER ARE BOTH  
REMOVED TOGETHER



No	DATE	REVISION DETAILS
02	301004	DIAGRAM RE-FORMATTED TO SEPERATE REMOTE CONTROL CIRCUITRY (See 'RWS' Ref)

**www.rotork.com**

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CONFIG BY PRE  
DATE 081004  
CHECKED PJW  
BASE WD 3150-000  
JOB No --  
M.I.No --

IQ + AUX POWERED  
& IND RELAYS

CIRCUIT DIAGRAM No -REV 102  
**3150-000-02**

B1 C1 B2 C2 B1 C1 M1 V1