

CIRCUIT DRAWN WITH
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT
RWS300

TRANSFORMER TAPPING OPTIONS

TYPE 1			TYPE 2		
TAP	NOM	RANGE	TAP	NOM	RANGE
X	100	80-120	X	200	160-240
Y	110	88-132	Y	230	184-276
Z	120	96-144	Z	270	216-324
FS1-250mA A/S FS2-5A A/S			FS1-150mA A/S FS2-2.5A A/S		

TYPE 3			TYPE 4		
TAP	NOM	RANGE	TAP	NOM	RANGE
X	380	304-456	X	480	384-576
Y	400	320-480	Y	575	460-690
Z	415	332-498	Z	690	552-828
FS1-100mA A/S FS2-1.5A A/S			FS1-50mA A/S FS2-1.6A F/A		

TRANSFORMER TYPES 1, 2, 3 & 4 -
FUSE FS3 - 20A ATO FAST ACTING

ALL TRANSFORMER TYPES -
PS1 SELF RESETTING FUSE

NOTE

REFER TO PUBLICATION E175E FOR
APPROVED FUSES FS1, FS2 AND FS3.

MAX EXTERNAL LOAD ON TERMINALS
4 & 5 TO BE 9VA.

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

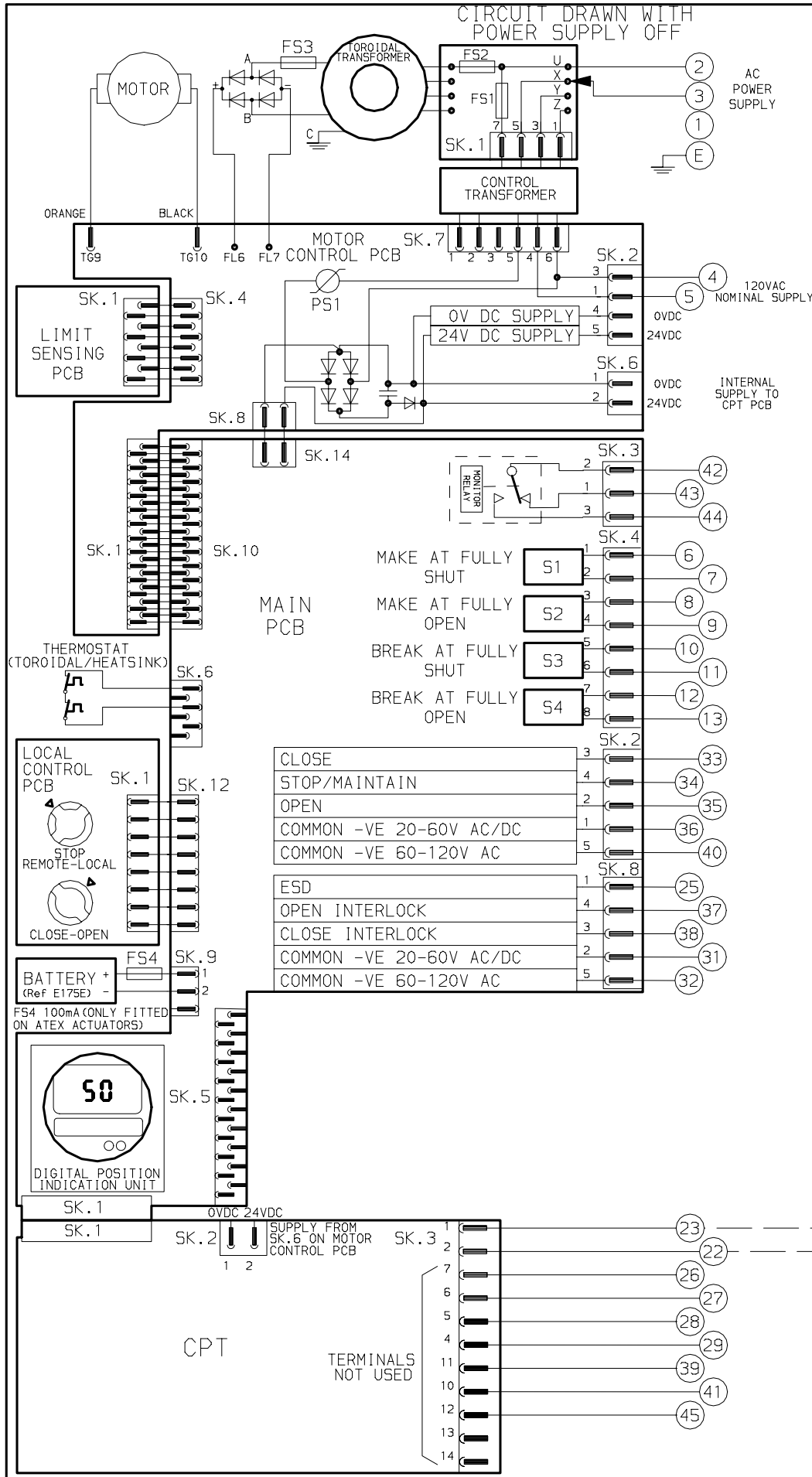
CURRENT DRAWN FROM EACH REMOTE
CONTROL SIGNAL IS 5mA ON 24V DC
OR 12mA ON 120V AC

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

---+ve 24VDC NOMINAL
---(A)--- -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 E175E



- MAKE AT FULLY SHUT S1
 - MAKE AT FULLY OPEN S2
 - BREAK AT FULLY SHUT S3
 - BREAK AT FULLY OPEN S4
- | | |
|-------------------------|---|
| CLOSE | 3 |
| STOP/MAINTAIN | 4 |
| OPEN | 2 |
| COMMON -VE 20-60V AC/DC | 1 |
| COMMON -VE 60-120V AC | 5 |
- | | |
|-------------------------|---|
| ESD | 1 |
| OPEN INTERLOCK | 4 |
| CLOSE INTERLOCK | 3 |
| COMMON -VE 20-60V AC/DC | 2 |
| COMMON -VE 60-120V AC | 5 |

No	DATE	REVISION DETAILS
01		

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CONFIG BY PJW
DATE 210409
CHECKED JC1
BASE WD 6010-001
JOB No -
M.I.No -

IQT + EXT PWR CPT & 120VAC CONTROL SUPPLY

CIRCUIT DIAGRAM No -REV 101
6060-001-01

B1 C1 B2 C2