

CIRCUIT DRAWN WITH  
POWER SUPPLY OFF

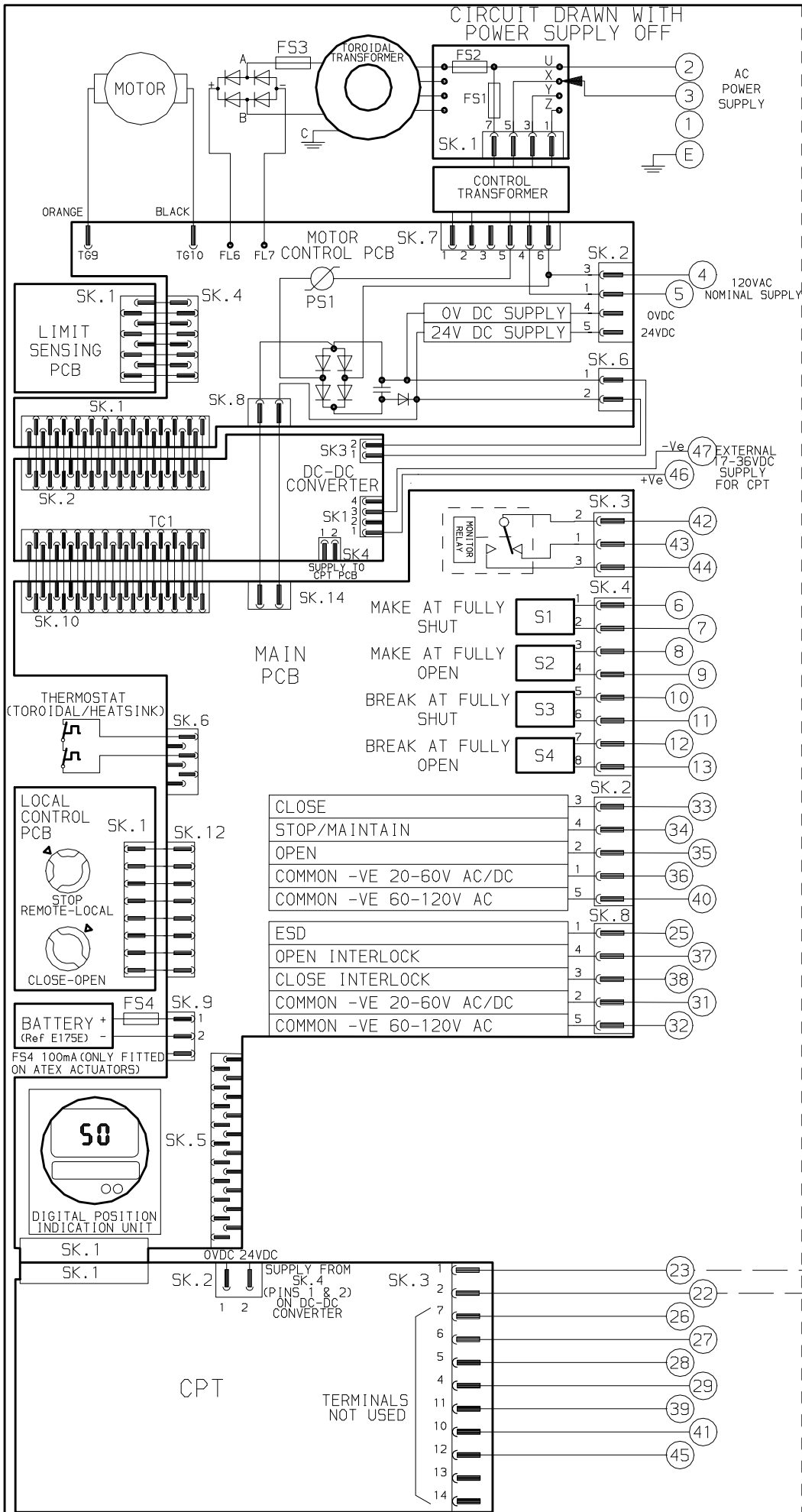
FOR TYPICAL REMOTE CONTROL  
DETAILS SEE DOCUMENT  
RWS300

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<br>FS2-5A A/S |     |        | FS1-150mA A/S<br>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<br>FS2-1.5A A/S |     |         | FS1-50mA A/S<br>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.

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

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

| No | DATE | REVISION DETAILS |
|----|------|------------------|
| 01 |      |                  |

**www.rotork.com**

ROTORK CONTROLS LTD  
BATH, BA1 3JQ  
ENGLAND  
Tel: 01225-733200

ROTORK CONTROLS INC  
ROCHESTER  
NY 14624, USA  
Tel: 585-247-2304

CONFIG BY PJW  
DATE 200511  
CHECKED JC1  
BASE WD 6040-001  
JOB No -  
M.I.No -

**IQT + AUX POWERED CPT  
& 120VAC ON 4 & 5.**

CIRCUIT DIAGRAM No -REV 101  
**6040-001-01**

B1 C1 B2 C2