

CIRCUIT DRAWN WITH  
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL  
DETAILS SEE DOCUMENT  
**RWS701**

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 |     |         |

ALL TRANSFORMER TYPES -  
FUSE FS3 - 20A ATO FAST ACTING  
PS1 SELF RESETTING FUSE

FAILSAFE OPERATION - ON LOSS OF 3-PHASE,  
CUSTOMER SUPPLY ON 4 & 5 IS ALSO LOST.  
THE LOSS OF CUSTOMER SUPPLY MUST BE  
USED AS THE FAILSAFE TRIGGER  
TERMINAL 15 MUST ONLY BE USED WHEN AN  
INTERNAL FAILSAFE BATTERY PACK IS FITTED  
THE 24VDC EXTERNAL SUPPLY FOR FAILSAFE  
OPERATION MUST BE APPLIED TO TERMINALS  
21 & 14.

REMOTE INPUTS MUST ALSO USE THIS SUPPLY  
ACTUATOR ESD ACTION(A1) DEFAULT STAY PUT  
ESD CONTACT(A2) DEFAULT N/O MAKE FOR ESD

NOTE

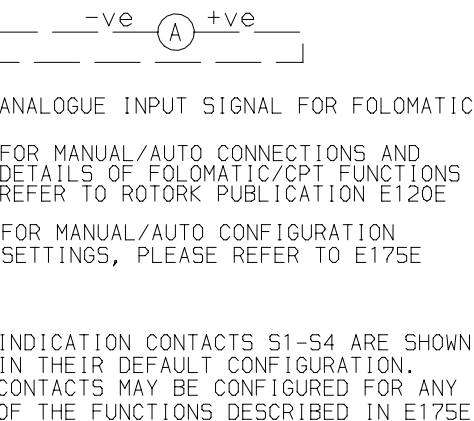
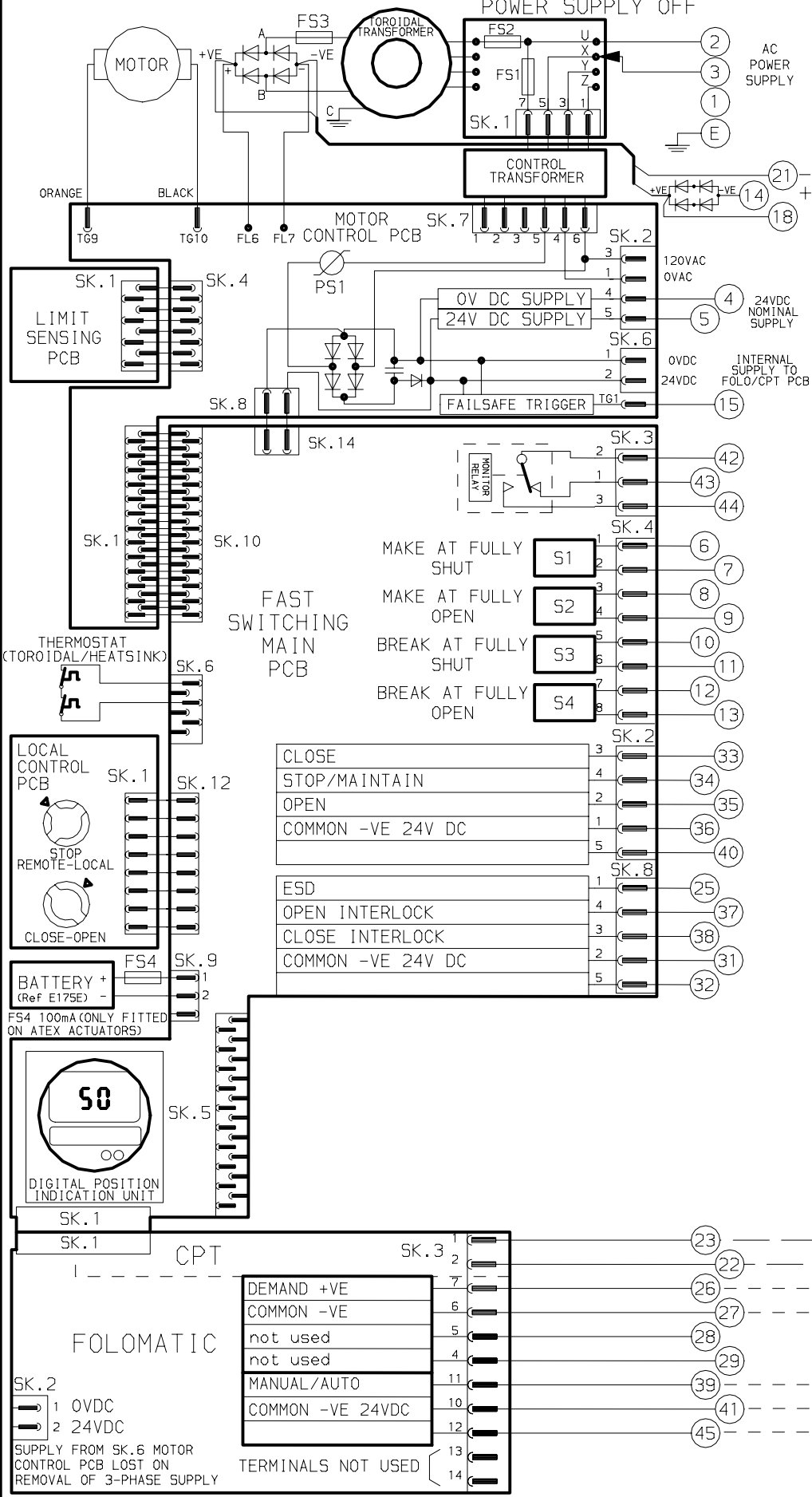
REFER TO PUBLICATION E175E FOR  
APPROVED FUSES FS1, FS2 AND FS3.

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 100ms.

CURRENT DRAWN FROM EACH REMOTE  
CONTROL SIGNAL IS 5mA ON 24V DC

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



| No | DATE   | REVISION DETAILS           |
|----|--------|----------------------------|
| 03 | 110407 | IQ PRO UPDATE.<br>EC2198/1 |

**www.rotork.com**  
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 ROTORK CONTROLS INC  
 ROCHESTER  
 NY 14624, USA  
 Tel: 585-328-1550

CONFIG BY PJW  
 DATE 090506  
 CHECKED DA  
 BASE WD 7018-100  
 JOB No -  
 M.I.No -

IQTM + FOLOMATIC + CPT  
 + EXTERNAL FAILSAFE.  
 CIRCUIT DIAGRAM No -REV 107  
**7018-100-03**  
 B1 C1 B2 C2