

CIRCUIT DRAWN WITH  
POWER SUPPLY OFF

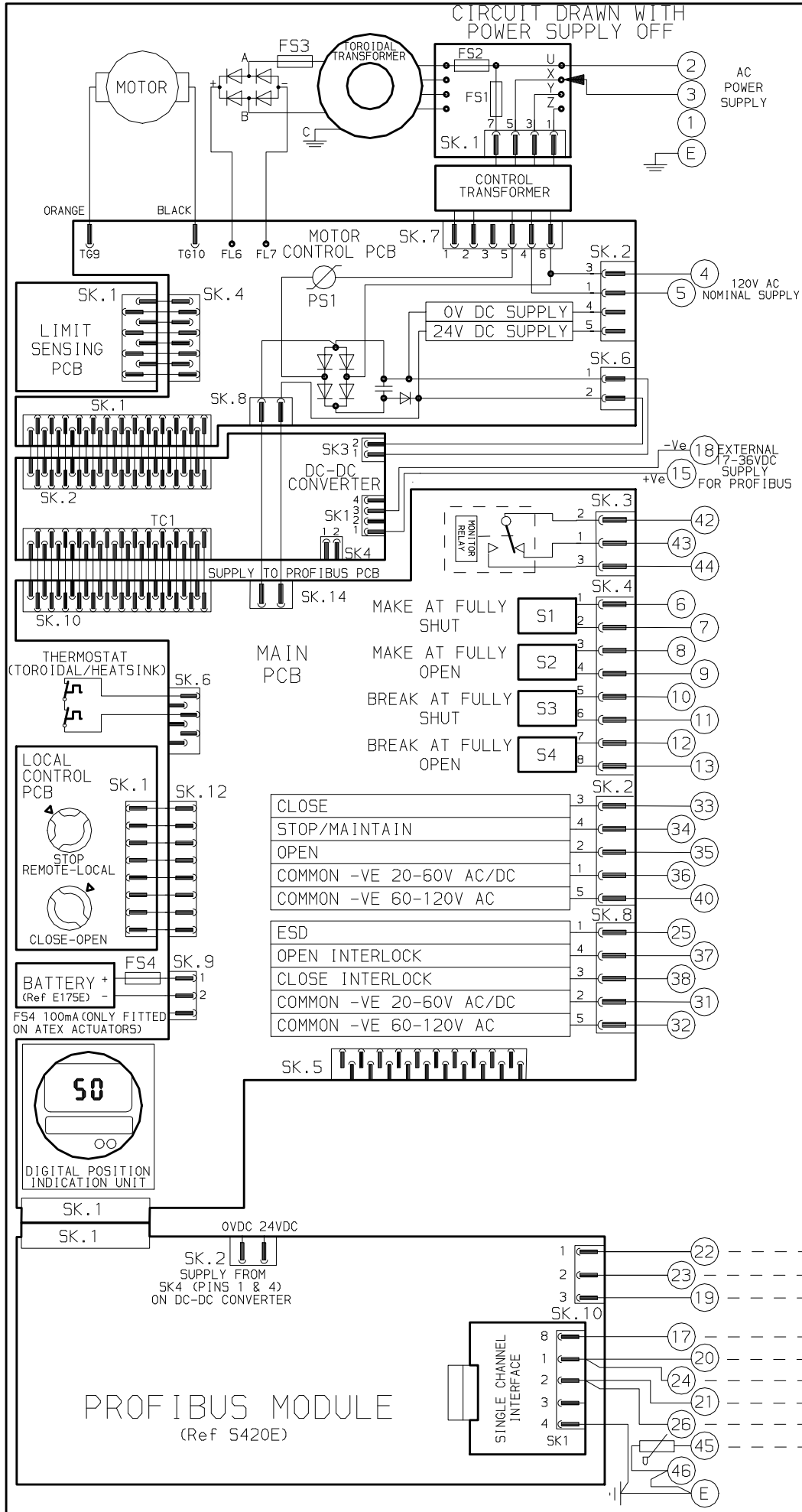
FOR TYPICAL REMOTE CONTROL  
DETAILS SEE DOCUMENT  
**NO RWS**

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 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.  
PROFIBUS WILL FUNCTION NORMALLY  
WHEN 3-PH MAINS POWER OR EXTERNAL  
17-36VDC SUPPLY IS APPLIED.

VOLTAGE INPUT (0-5 VOLTS)  
+Ve TO 'A', 0 VOLTS TO COMMON  
CURRENT INPUT (0-20mA)  
LINK A TO B, CURRENT SOURCE  
BETWEEN A/B AND COMMON.

22 --- T ANALOGUE I/P 'A'  
23 --- T ANALOGUE I/P 'B'  
19 --- T COMMON  
17 --- T TERMINATOR  
20 --- T PROFIBUS B (IN)  
24 --- T PROFIBUS B (OUT)  
21 --- T PROFIBUS A (IN)  
26 --- T PROFIBUS A (OUT)  
45 --- T SCREEN  
46 --- T

PROFIBUS A=TXD/RXD-N  
PROFIBUS B=TXD/RXD-P

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	050214 PJW	FIRST ISSUE

**www.rotork.com**

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CONFIG BY JC1  
DATE 050214  
CHECKED PJW  
BASE WD 6050-901  
JOB No -  
M.I.No -

**IQT + 1-CH PROFIBUS +  
AUX POWERED + 120V AC**

CIRCUIT DIAGRAM No -REV 101  
**6050-901-01**

B1 C1 B2 C2