

CIRCUIT DRAWN WITH
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT
NO RWS

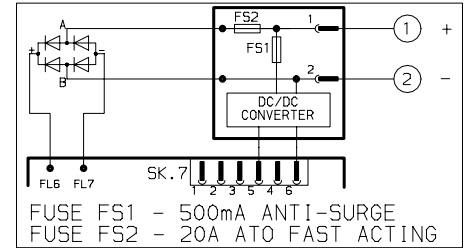
TRANSFORMER TAPPING OPTIONS

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

TYPE 5 24VDC



ALL TRANSFORMER TYPES -
PS1 SELF RESETTING FUSE

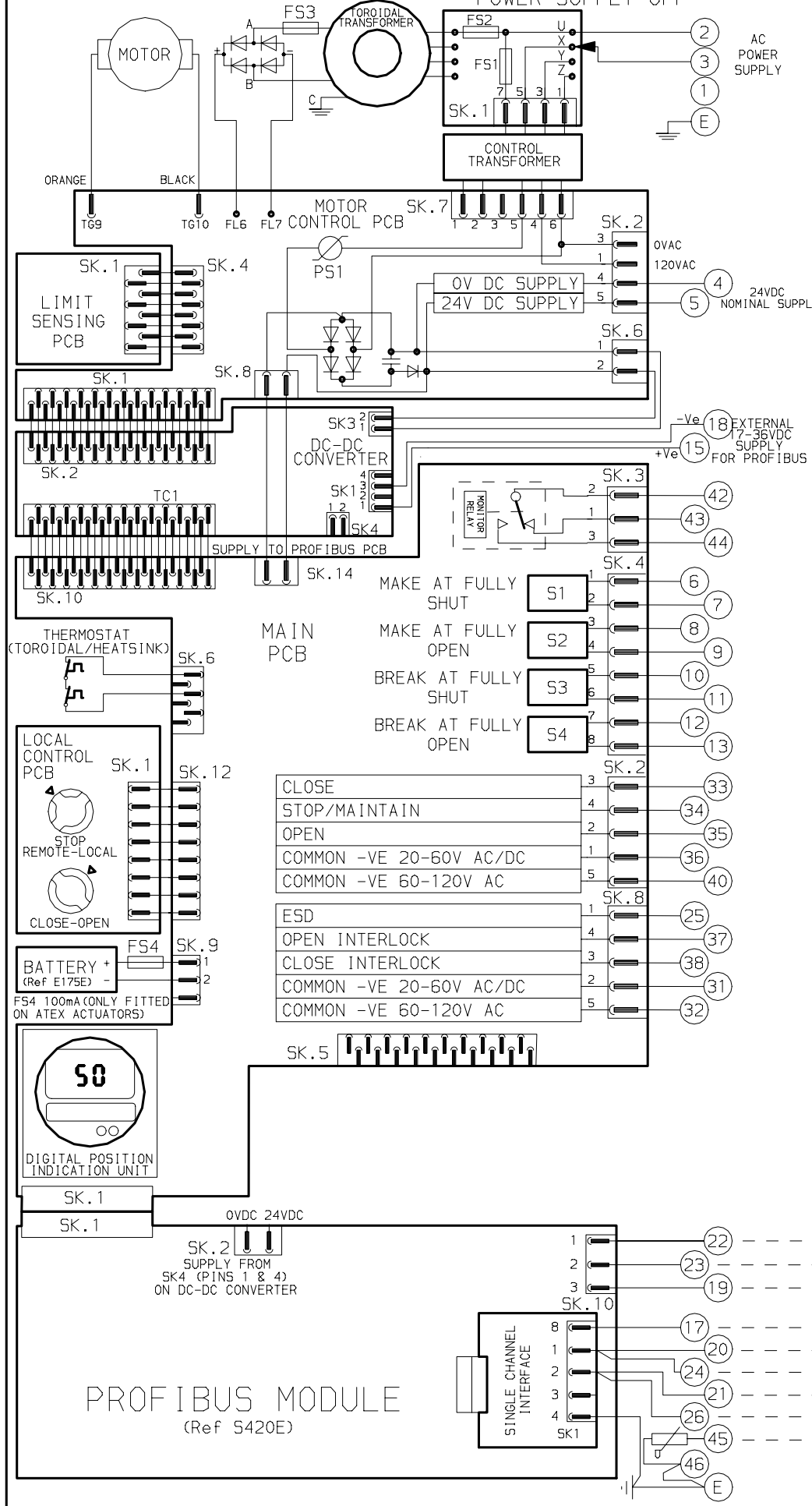
NOTE

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.

ANALOGUE I/P 'A'
ANALOGUE I/P 'B'
COMMON
TERMINATOR
PROFIBUS B(IN)
PROFIBUS B(OUT)
PROFIBUS A(IN)
PROFIBUS A(OUT)
SCREEN
PROFIBUS A=TXD/RXD-N
PROFIBUS B=TXD/RXD-P

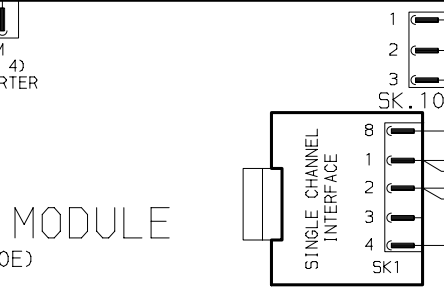
INDICATION CONTACTS S1-S4 ARE SHOWN
IN THEIR DEFAULT CONFIGURATION.
CONTACTS MAY BE CONFIGURED FOR ANY
OF THE FUNCTIONS DESCRIBED IN E175E



- 42
- 43
- 44
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 33
- 34
- 35
- 36
- 40
- 25
- 37
- 38
- 31
- 32

- 3
- 4
- 2
- 1
- 5
- 1
- 4
- 3
- 2
- 5

SK.5



No	DATE	REVISION DETAILS
02	200910 PJW	AUX POWER NOTE CHANGED CHECKED JC1

www.rotork.com		CONFIG BY PJW
ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND	ROTORK CONTROLS INC ROCHESTER NY 14624, USA	DATE 230909
Tel: 01225-733200	Tel: 585-247-2304	CHECKED JC1
		BASE WD 6050-900
		JOB No -
		M.I.No -

**IQT + SINGLE CHANNEL
PROFIBUS + AUX POWERED**

CIRCUIT DIAGRAM No -REV 101
6050-900-02

B1 C1 B2 C2