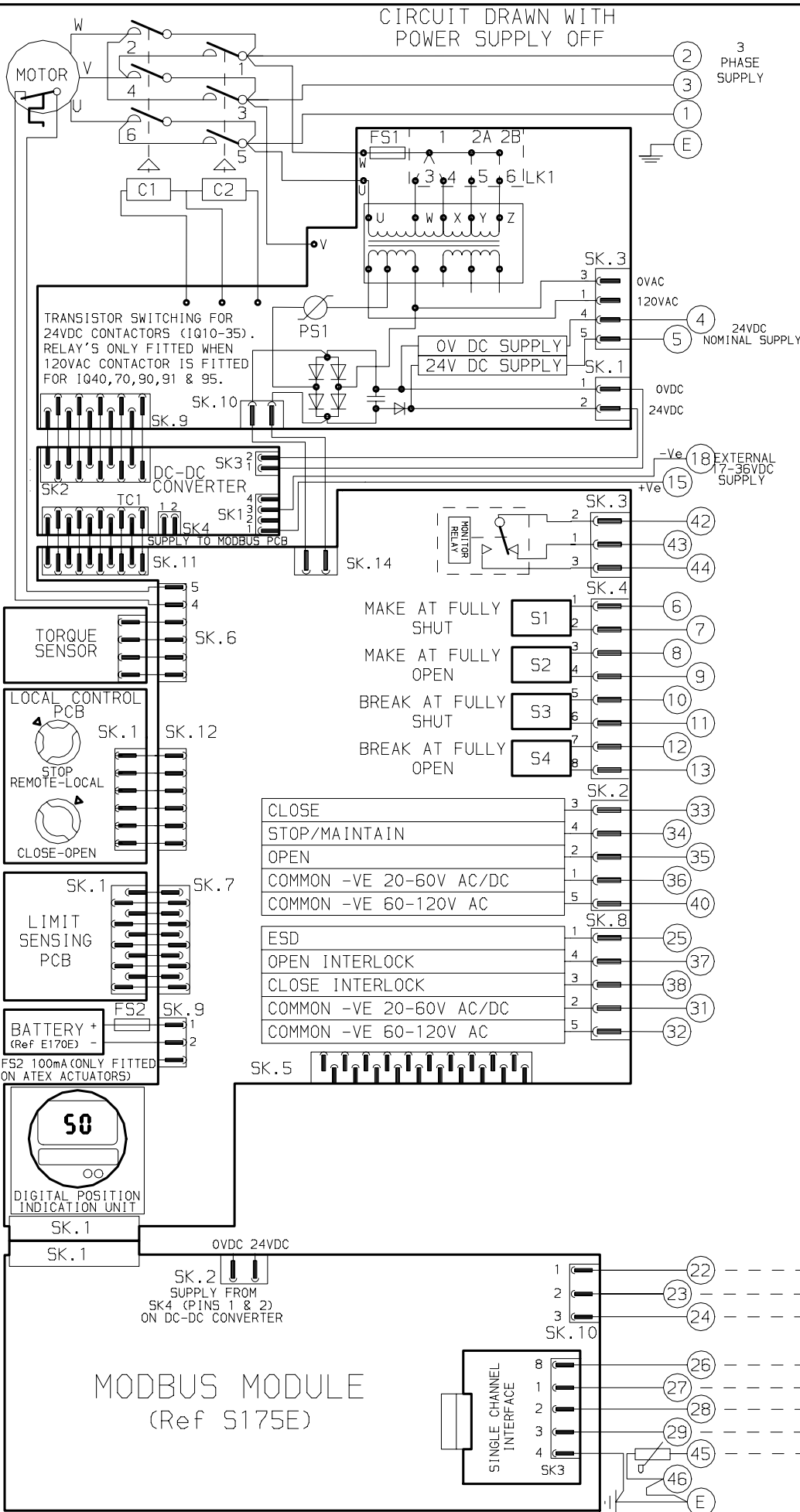


CIRCUIT DRAWN WITH
POWER SUPPLY OFF



FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT
No RWS

TRANSFORMER TAPPING OPTIONS

TYPE 1

TAP	NOM 50/60HZ	50HZ	60HZ
W	220/230	176-242	198-259
X	380/400	304-418	342-446
Y	415/420	332-457	374-487
Z	440/460	352-484	396-517

FUSE FS1 - 250mA ANTI-SURGE

TYPE 2

TAP	NOM 50/60HZ	50HZ	60HZ
W	346/380	285-388	321-419
X	480/500	406-552	432-564
Y	240/240	192-261	216-282
Z	550/575	445-605	501-654

FUSE FS1 - 250mA ANTI-SURGE

TYPE 3

TAP	NOM 50/60HZ	50HZ	60HZ
X	660/660-690	534-726	600-726
Y	690/---	558-759	

FUSE FS1 - 150mA ANTI-SURGE

ALL TRANSFORMER TYPES - PS1 SELF
RESETTING
FUSE

NOTE

- REFER TO PUBLICATION E170E FOR APPROVED FUSES FS1 AND FS2.
- 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.
- MODBUS WILL FUNCTION NORMALLY WHEN 3-PH MAINS POWER OR EXTERNAL 17-36VDC SUPPLY IS APPLIED.
- FOR TYPICAL REMOTE CONTROL INDICATING, MONITORING AND ALARM CIRCUITS SEE PUBLICATION E120E

- 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 --- + ANALOGUE I/P 'A'
 - 23 --- + ANALOGUE I/P 'B'
 - 24 --- + COMMON
 - 26 --- + TERMINATOR
 - 27 --- + 1A
 - 28 --- + 1B
 - 29 --- + COMMON
 - 45 --- + SCREEN
- TO USE THE TERMINATOR CONNECT A LINK BETWEEN THE TERMINATOR AND 1B BUNG CONNECTIONS. WIRE MODBUS FIELD CONNECTIONS AS NORMAL.

INDICATION CONTACTS S1-S4 ARE SHOWN IN THEIR DEFAULT CONFIGURATION. CONTACTS MAY BE CONFIGURED FOR ANY OF THE FUNCTIONS DESCRIBED IN E170E

No	DATE	REVISION DETAILS
04	200910 PJW	AUX POWER NOTE CHANGED CHECKED JC1

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ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel: 01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel: 585-247-2304
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CONFIG BY PJW
DATE 041203
CHECKED DA
BASE WD 3050-400
JOB No -
M.I.No -

IQ + AUX POWER & MODBUS MODULE

CIRCUIT DIAGRAM No -REV
3050-400-04

B1 C1 B2 C2