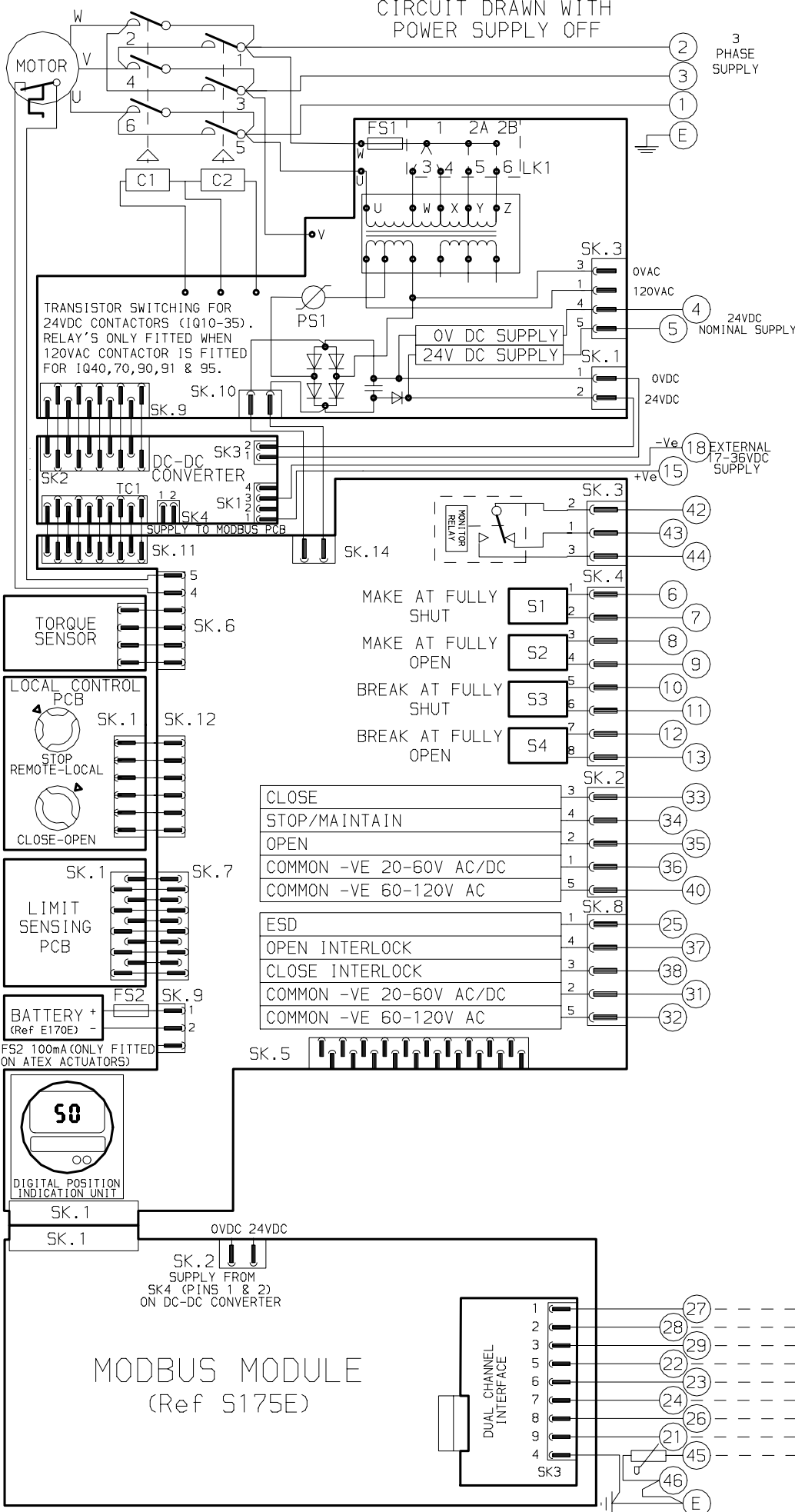


CIRCUIT DRAWN WITH  
POWER SUPPLY OFF



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.

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

FOR TYPICAL REMOTE CONTROL  
INDICATING, MONITORING AND ALARM  
CIRCUITS SEE PUBLICATION E120E

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

TO USE THE TERMINATOR  
CONNECT A LINK BETWEEN  
TERMINATOR 1 AND 1B  
TERMINATOR 2 AND 2B  
BUNG CONNECTIONS.  
WIRE MODBUS FIELD  
CONNECTIONS AS NORMAL.

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

**www.rotork.com**

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BATH, BA1 3JQ  
ENGLAND  
Tel: 01225-733200

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

CONFIG BY PJW  
DATE 061003  
CHECKED DA  
BASE WD 3050-500  
JOB No -  
M.I.No -

**IQ + AUX POWER &  
DUAL MODBUS MODULE**

CIRCUIT DIAGRAM No -REV 102  
**3050-500-04**

B1 C1 B2 C2