

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

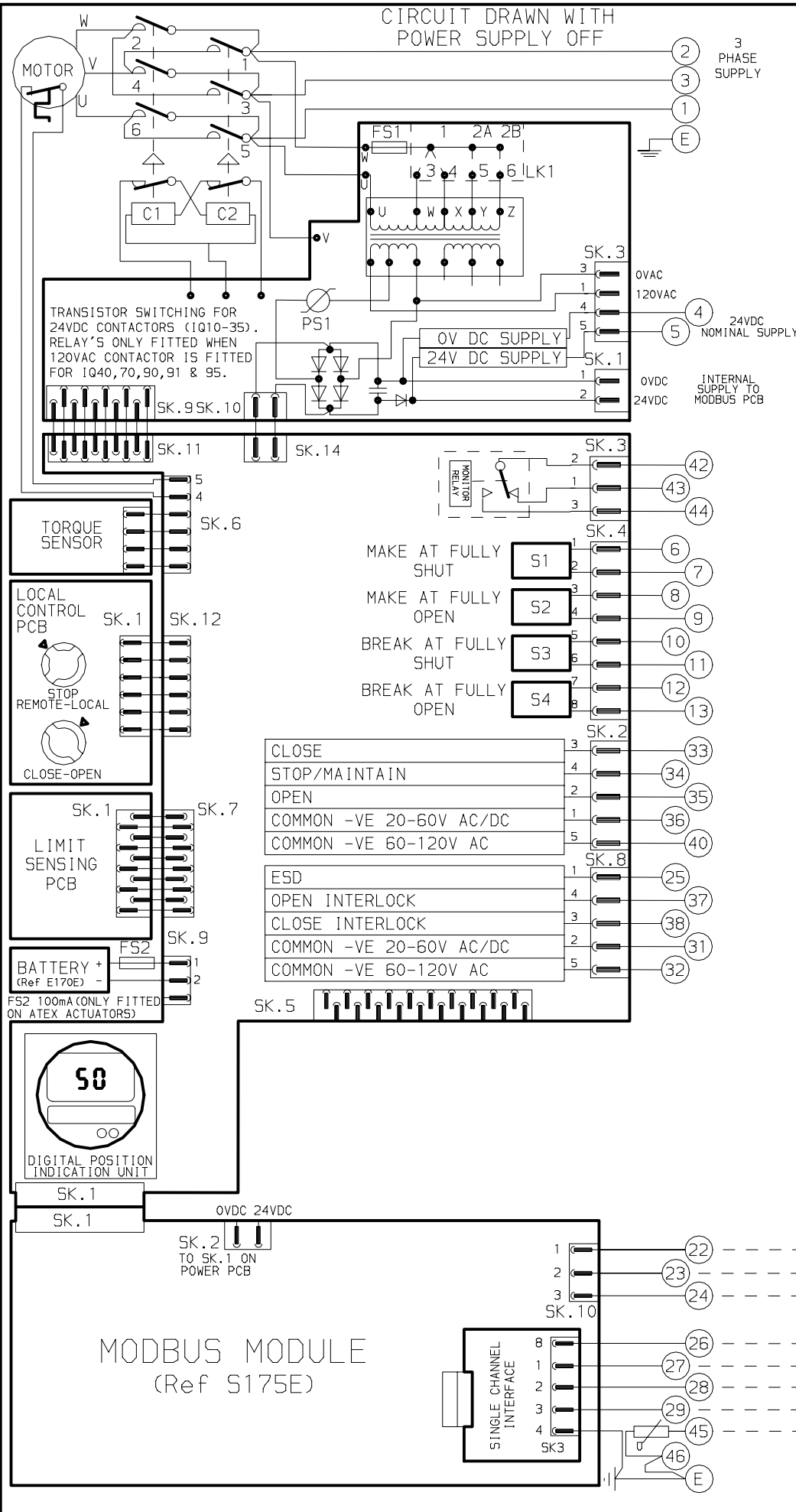
WIRES ARE IDENTIFIED AT EACH END  
BY TERMINAL No. OR TAG No.

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 } TO USE THE TERMINATOR  
27 --- 1A } CONNECT A LINK BETWEEN  
28 --- 1B } THE TERMINATOR AND 1B  
29 --- COMMON } BUNG CONNECTIONS.  
45 --- SCREEN } WIRE MODBUS FIELD  
46 --- } 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



- SK.3: 1 0V AC, 2 120V AC, 3 24V DC, 4 0V DC, 5 INTERNAL SUPPLY TO MODBUS PCB
- SK.4: 1 MAKE AT FULLY SHUT (S1), 2 MAKE AT FULLY OPEN (S2), 3 BREAK AT FULLY SHUT (S3), 4 BREAK AT FULLY OPEN (S4)
- SK.2: 3 CLOSE, 4 STOP/MAINTAIN, 2 OPEN, 1 COMMON -VE 20-60V AC/DC, 5 COMMON -VE 60-120V AC
- SK.8: 1 ESD, 4 OPEN INTERLOCK, 3 CLOSE INTERLOCK, 2 COMMON -VE 20-60V AC/DC, 5 COMMON -VE 60-120V AC

No	DATE	REVISION DETAILS
07	180107	IQPRO MODBUS UPDATE EC2197/3

**www.rotork.com**

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CONFIG BY PGS  
DATE 270999  
CHECKED PJW  
BASE WD 3000-400  
JOB No -  
M.I.No -

IQ + MODBUS MODULE.

CIRCUIT DIAGRAM No -REV 102  
**3000-400-07**

B1 C1 B2 C2