

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

WHERE CUSTOMERS WISH TO HAVE THE
THERMOSTAT BY-PASSED DURING
EMERGENCY SHUTDOWN OPERATION, IT
SHOULD BE NOTED THAT ANY ACTUATOR
HAZARDOUS ENCLOSURE CERTIFICATION
WILL BE INVALIDATED WHILE THE
THERMOSTAT IS BY-PASSED.
REFER TO PUBLICATION E170E FOR
APPROVED FUSES FS1 AND FS2.

MAX EXTERNAL LOAD ON TERMINALS
4 & 5 TO BE 15VA.
CONTROL SIGNAL THRESHOLD VOLTAGES
TO BE MINIMUM 'ON' 20V AC/DC
MAXIMUM 'OFF' = 3V
MINIMUM CONTROL SIGNAL DURATION
TO BE 300ms.

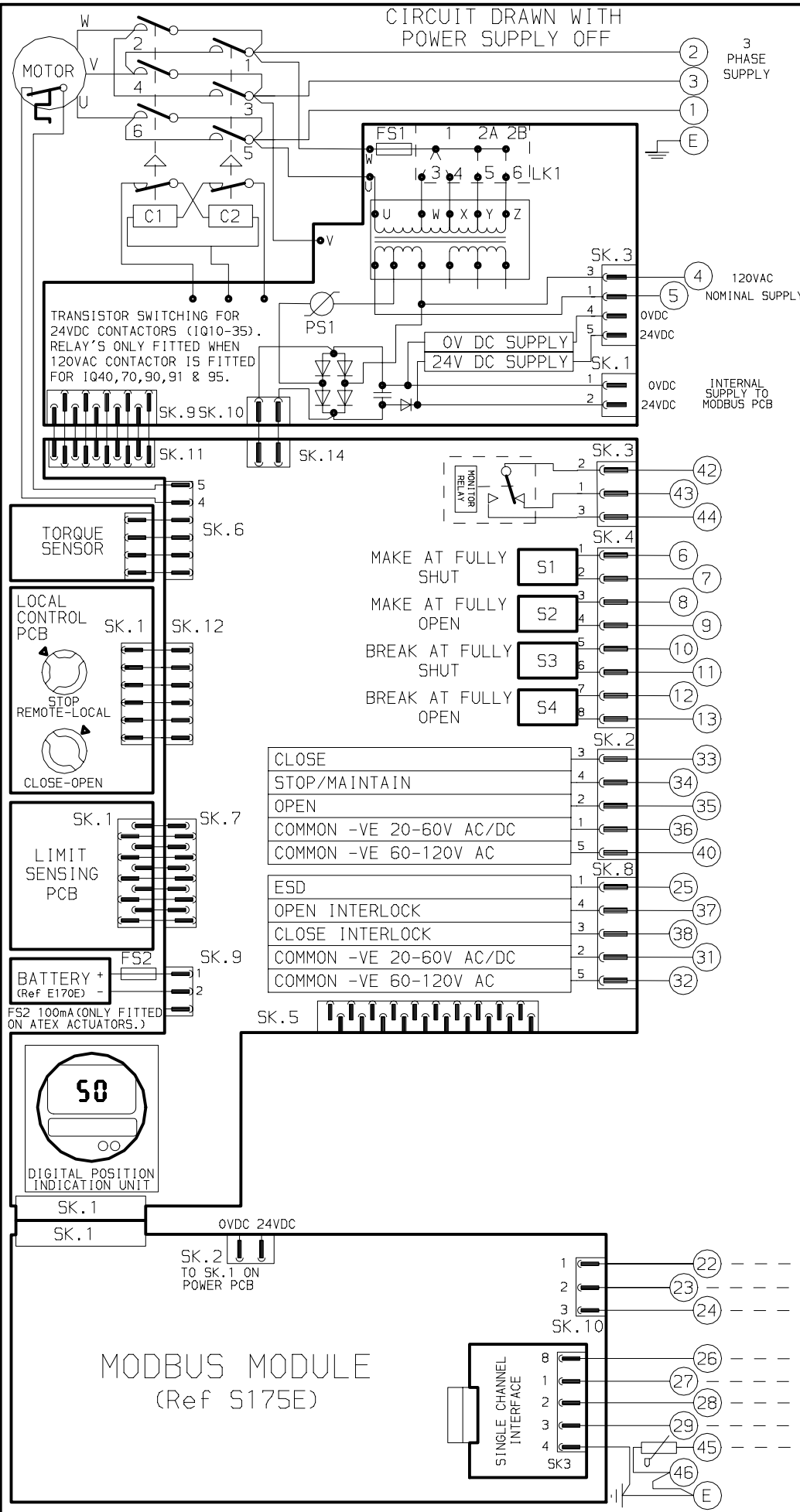
CURRENT DRAWN FROM EACH REMOTE
CONTROL SIGNAL IS 5mA ON 24V DC
OR 12mA ON 120V AC

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

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

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.



No	DATE	REVISION DETAILS
03	180107	IQPRO MODBUS UPDATE EC2197/3

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CONFIG BY KRS
 DATE 020604
 CHECKED PJW
 BASE WD 3000-401
 JOB No -
 M.I.No -

IQ + MODBUS MODULE +
 120VAC CUSTOMER SUPPLY
 CIRCUIT DIAGRAM No -REV 102
3000-401-03
 B1 C1 B2 C2