

CIRCUIT DRAWN WITH
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT
NO RWS

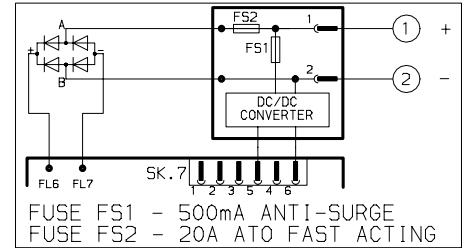
TRANSFORMER TAPPING OPTIONS

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

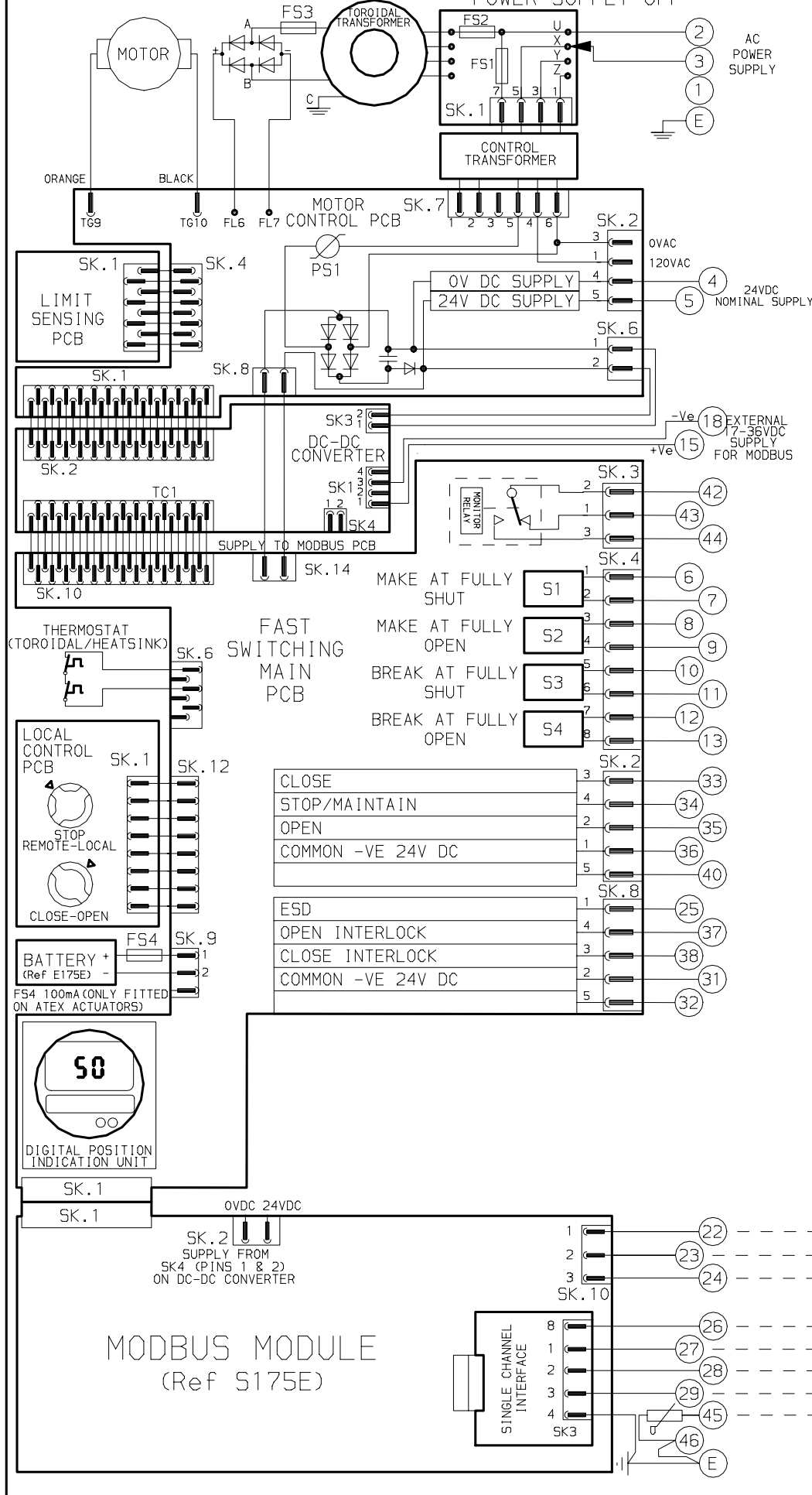
- REFER TO PUBLICATION E175E FOR APPROVED FUSES FS1, FS2 AND FS3.
- MAX EXTERNAL LOAD ON TERMINALS 4 & 5 TO BE 5W.
- CONTROL SIGNAL THRESHOLD VOLTAGES TO BE MINIMUM 'ON' 20V AC/DC
- MAXIMUM 'OFF' = 3V
- MINIMUM CONTROL SIGNAL DURATION TO BE 100ms.
- CURRENT DRAWN FROM EACH REMOTE CONTROL SIGNAL IS 5mA 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.

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 TO USE THE TERMINATOR
1A CONNECT A LINK BETWEEN
1B THE TERMINATOR AND 1B
COMMON WIRE MODBUS FIELD
SCREEN 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 02	DATE 200910 PJW	REVISION DETAILS AUX POWER NOTE CHANGED CHECKED JC1	www.rotork.com	CONFIG BY PJW DATE 080509 CHECKED JC1 BASE WD 7050-400 JOB No - M.I.No -	IQTM + MODBUS +AUX POWERED
ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel: 01225-733200			ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel: 585-247-2304		CIRCUIT DIAGRAM No -REV 7050-400-02 B1 C1 B2 C2