

CIRCUIT DRAWN WITH
POWER SUPPLY OFF

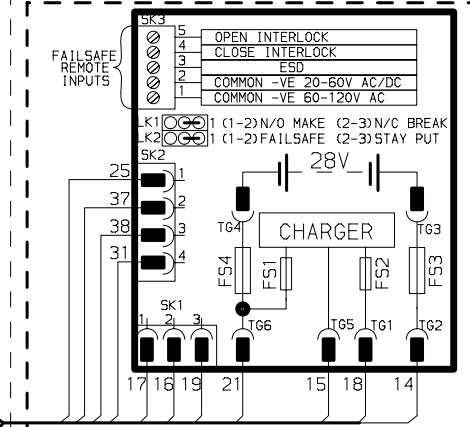
FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT
No RWS

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		

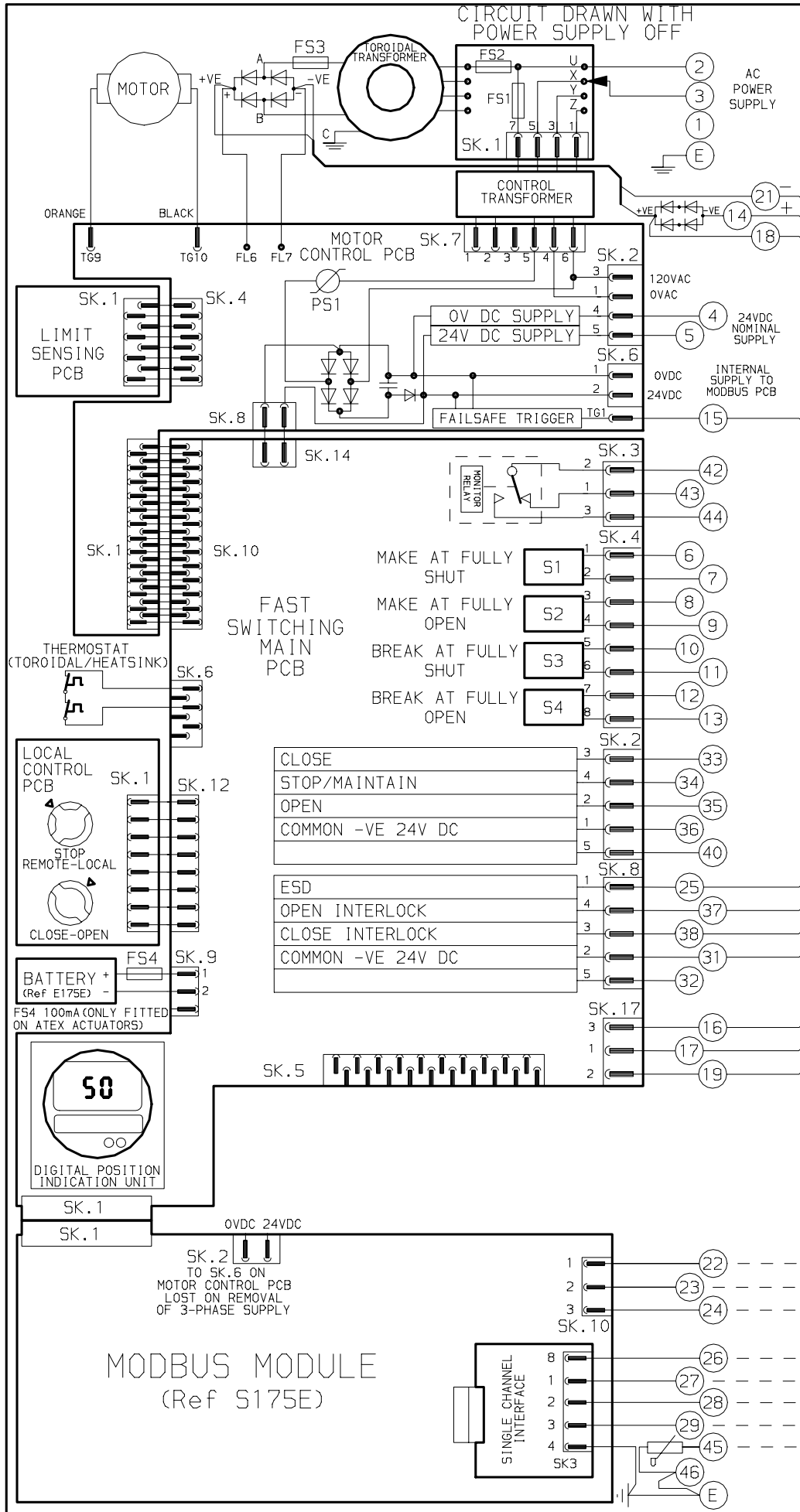
ALL TRANSFORMER TYPES -
FUSE FS3 - 20A ATO FAST ACTING
PS1 SELF RESETTING FUSE



BATTERY PACK

FOR DETAILS SEE PUBLICATION E120E
FS3, FS4 - 20A ATO FAST ACTING
FS1, FS2 - 2A 20mm QUICK BLOW
FAILSAFE OPERATION, ON LOSS OF 3-PHASE
CUSTOMER SUPPLY ON 4 & 5 IS ALSO LOST.
IF AN INTERNAL SUPPLY IS REQUIRED FOR
FAILSAFE OPERATION THE 24VDC ON 21 & 14
MUST BE USED.
LK1 ESD POLARITY DEFAULT N/O MAKE FOR ESD
LK2 FAILSAFE OPTION DEFAULT FAILSAFE
ACTUATOR ESD ACTION(A1) DEFAULT STAY PUT
ESD CONTACT(A2) DEFAULT N/O MAKE FOR ESD
REFER TO PUBLICATION E175E FOR
APPROVED FUSES FS1, FS2 AND FS3.
MAX EXTERNAL LOAD TERMINALS 4 & 5 TO BE 5W.
CONTROL SIGNAL THRESHOLD VOLTAGES
TO BE MINIMUM 'ON' 20V, MAXIMUM 'OFF' = 3V
MINIMUM CONTROL SIGNAL DURATION
MAIN PCB TO BE 100ms. FAILSAFE TO BE 300ms
CURRENT DRAWN FROM EACH REMOTE
CONTROL SIGNAL IS 5mA ON 24V DC
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
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 E175E



No	DATE	REVISION DETAILS
01		

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ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-328-1550	CONFIG BY PJW DATE 080108 CHECKED JC1 BASE WD 7009-400 JOB No - M.I.No -
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**IQTM + MODBUS MODULE
& BATTERY PACK.**

CIRCUIT DIAGRAM No -REV 101
7009-400-01

B1 C1 B2 C2