

CIRCUIT DRAWN WITH
POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT

No RWS

TRANSFORMER TAPPING OPTIONS

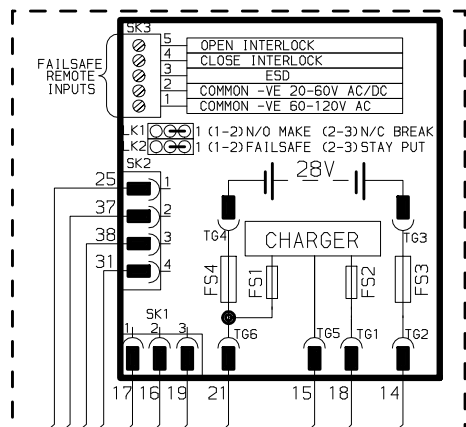
TYPE 1 TYPE 2

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

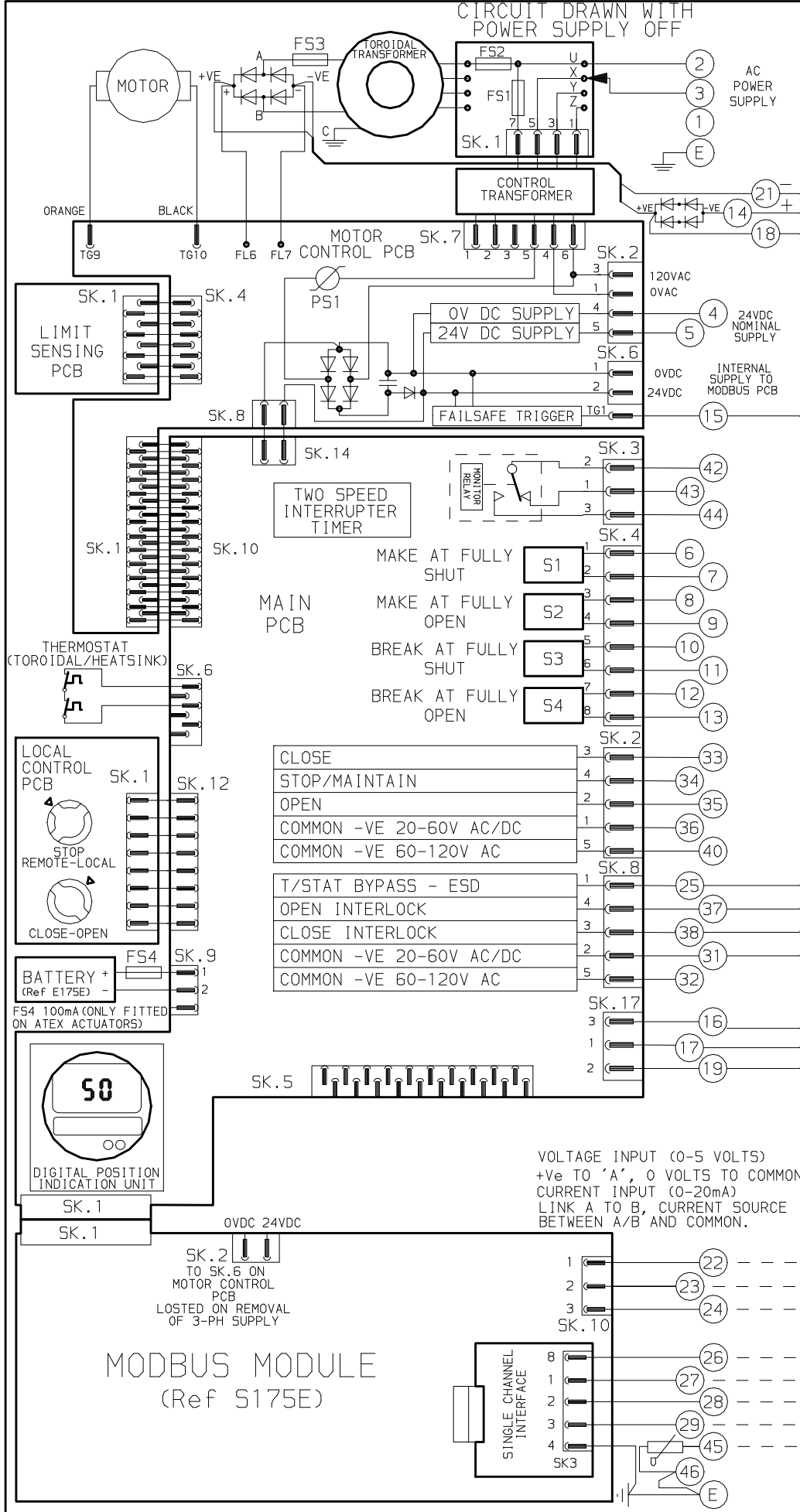


BATTERY PACK

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

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 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.



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 E175E

No	DATE	REVISION DETAILS
01	020512	FIRST ISSUE

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CONFIG BY JC1
DATE 020512
CHECKED PJW
BASE WD -
JOB No -
M.I.No -

**IQT + MODBUS MODULE
+ BATTERY PACK + TIMER**
CIRCUIT DIAGRAM No -REV 101
6009-410-01
B1 C1 B2 C2