

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

FAILSAFE OPERATION - ON LOSS OF 3-PHASE,  
CUSTOMER SUPPLY ON 4 & 5 IS ALSO LOST.  
THE LOSS OF CUSTOMER SUPPLY MUST BE  
USED AS THE FAILSAFE TRIGGER  
TERMINAL 15 MUST ONLY BE USED WHEN AN  
INTERNAL FAILSAFE BATTERY PACK IS FITTED  
THE 24VDC EXTERNAL SUPPLY FOR FAILSAFE  
OPERATION MUST BE APPLIED TO TERMINALS  
21 & 14.

REMOTE INPUTS MUST ALSO USE THIS SUPPLY  
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

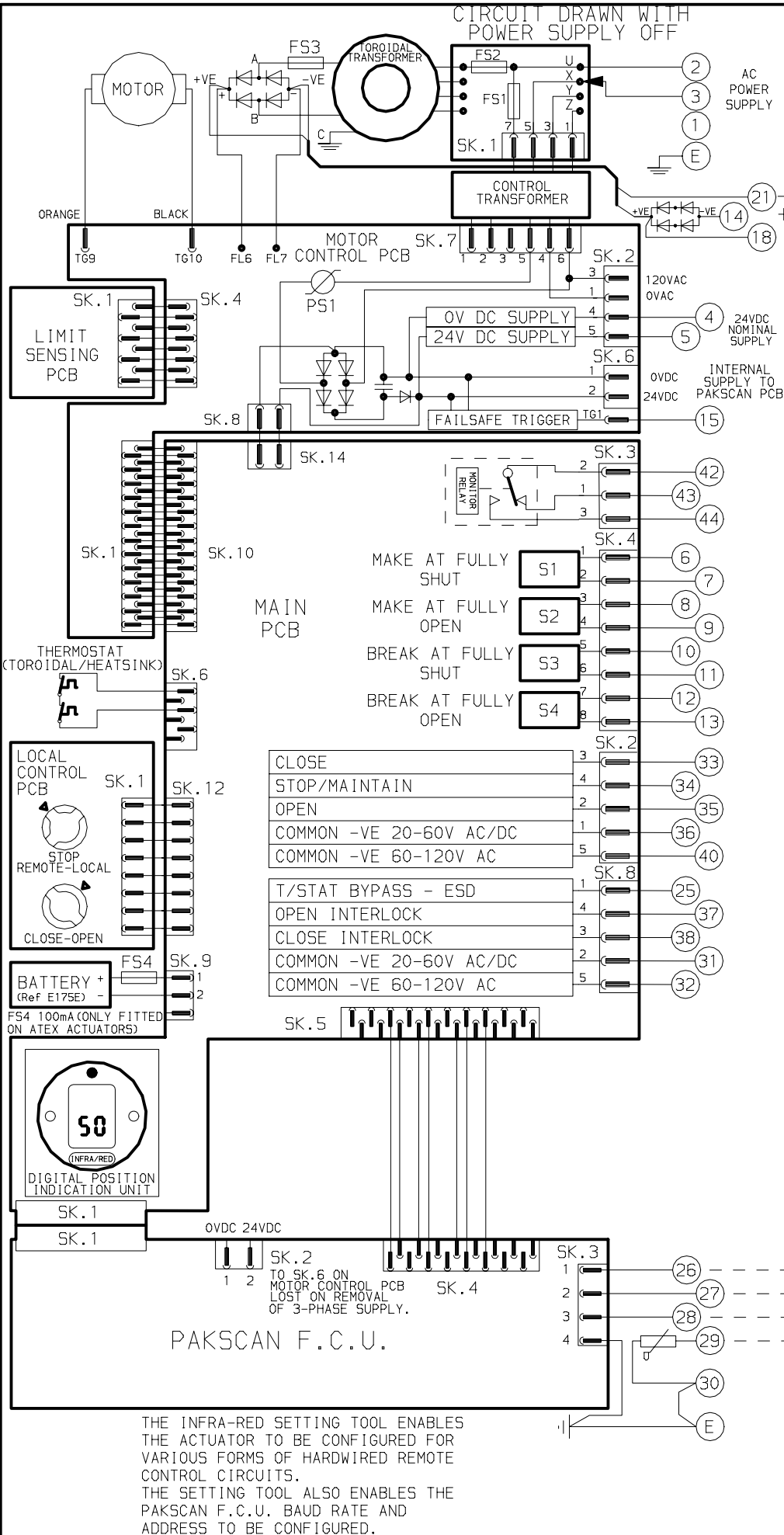
WIRES ARE IDENTIFIED AT EACH END  
BY TERMINAL No. OR TAG No.

PAKSCAN ONLY

CARE SHOULD BE TAKEN TO ENSURE  
THAT CIRCUITS CONNECTED TO  
TERMINALS 4 OR 5 ARE NOT CONNECTED  
DIRECTLY OR INDIRECTLY TO GROUND.

2 WIRE 'A' (IN)  
2 WIRE 'B' (OUT)  
2 WIRE 'C' COMMON  
SCREEN

INDICATION CONTACTS S1-S4 ARE SHOWN  
IN THEIR DEFAULT CONFIGURATION.  
CONTACTS MAY BE CONFIGURED FOR ANY  
OF THE FUNCTIONS DESCRIBED IN E175E



THE INFRA-RED SETTING TOOL ENABLES  
THE ACTUATOR TO BE CONFIGURED FOR  
VARIOUS FORMS OF HARDWIRED REMOTE  
CONTROL CIRCUITS.  
THE SETTING TOOL ALSO ENABLES THE  
PAKSCAN F.C.U. BAUD RATE AND  
ADDRESS TO BE CONFIGURED.

No	DATE	REVISION DETAILS
01		

**www.rotork.com**

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CONFIG BY PJW  
DATE 050106  
CHECKED DA  
BASE WD 6008-200  
JOB No -  
M.I.No -

IQT + PAKSCAN &  
EXTERNAL FAILSAFE

CIRCUIT DIAGRAM No -REV 107  
**6008-200-01**

B1 C1 B2 C2