

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

REFER TO PUBLICATION E170E FOR  
APPROVED FUSES FS1 AND FS2.

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

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

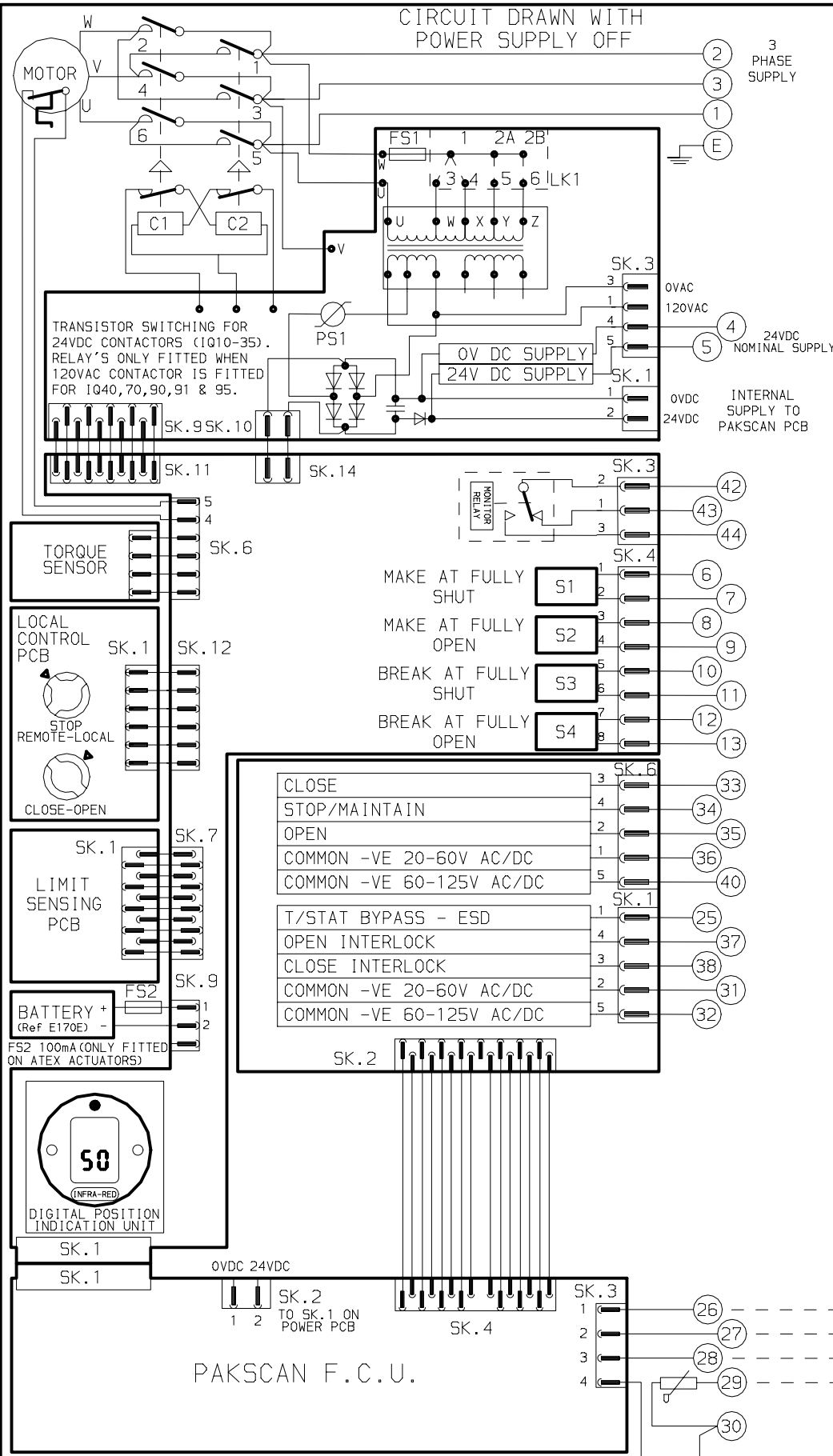
WIRES ARE IDENTIFIED AT EACH END  
BY TERMINAL No. OR TAG No.

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 E170E



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  |
|----|--------|---|
| 03 | 301004 | DIAGRAM RE-FORMATTED TO<br>SEPERATE REMOTE CONTROL<br>CIRCUITRY (See 'RWS' Ref) |

**www.rotork.com**

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| ROTORK CONTROLS LTD<br>BATH, BA1 3JQ<br>ENGLAND<br>Tel: 01225-733200 | ROTORK CONTROLS INC<br>ROCHESTER<br>NY 14624, USA<br>Tel: 585-328-1550 |
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CONFIG BY PRE  
DATE 240904  
CHECKED PJW  
BASE WD 3000A200  
JOB No --  
M.I.No -

IQ + PAKSCAN + REM I/P

CIRCUIT DIAGRAM No -REV 102  
**3000A200-03**

B1 C1 B2 C2