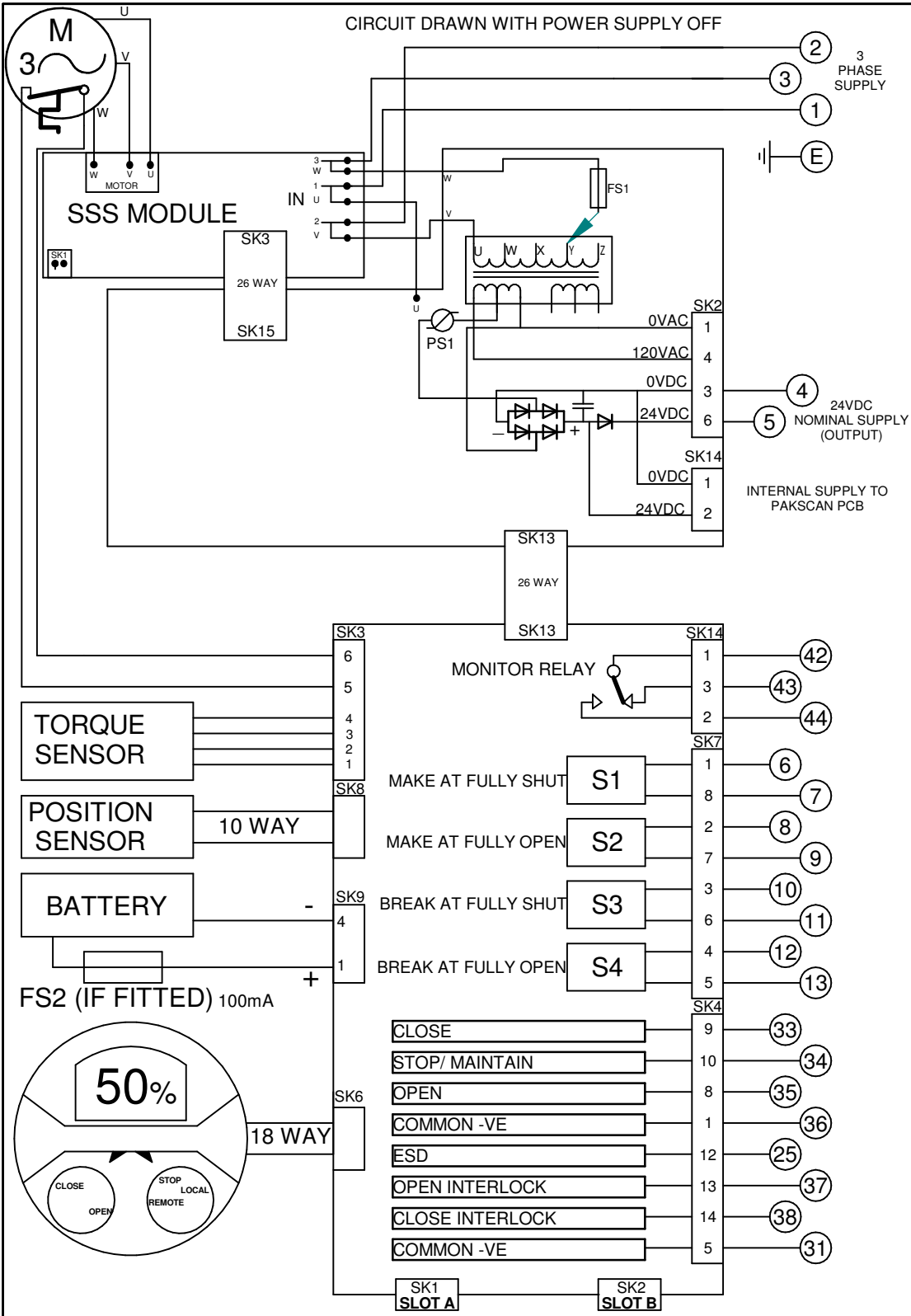


CIRCUIT DRAWN WITH POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL  
DETAILS, SEE DOCUMENT  
**RWS100**

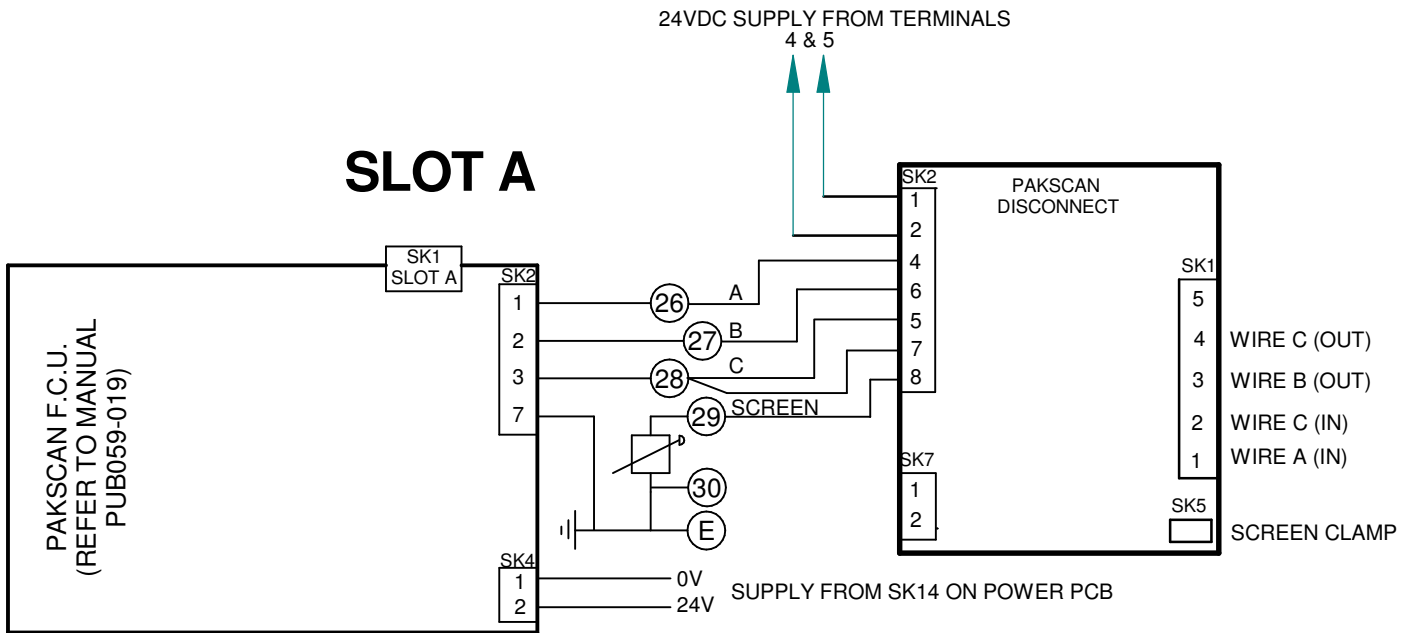
TRANSFORMER TAPPING OPTIONS	
Tap	Nominal 50/60Hz
TYPE 1	
W	220/230
X	380/400
Y	415/420
Z	440/460
FUZE FS1=250mA ANTI-SURGE	
TYPE 2	
W	346/380
X	480/500
Y	240/240
Z	550/575
FUZE FS1=250mA ANTI-SURGE	



REFER TO SHEET 2 FOR NOTES  
& OPTION PCB'S IF FITTED

THE ACTUATOR MUST BE  
PROTECTED USING SUITABLY  
RATED HIGH SPEED  
SEMI-CONDUCTOR FUSES ON THE  
INCOMING SUPPLY.  
SUGGESTED FUSES :-  
IQM10-20:10 Amp FERRAZ G330010  
IQM25-35:20 Amp FERRAZ K330013  
ALTERNATIVES =  
IQM10-20:10 Amp SIBA 50-179-06/10A  
IQM25-35:20 Amp SIBA 50-179-06/20A  
OR EQUIVALENT PROTECTIVE  
DEVICE.

Iss 1	Date 020920	Chkd JC1	Revision Details First Issue.	<a href="http://www.rotork.com">www.rotork.com</a>	IQM + PAKSCAN DISCONNECT												
ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200		ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304		Drawn by: PJW Date : 020920 Base WD: 200K2004 Job No : - - MI No : - -	<table border="1"> <tr> <td colspan="2">Circuit Diagram Number</td> <td>Issue No</td> <td>Sheet</td> </tr> <tr> <td colspan="2">200K2004</td> <td>1</td> <td>1</td> </tr> <tr> <td>B1</td> <td>C1</td> <td>B2</td> <td>C2</td> </tr> </table>	Circuit Diagram Number		Issue No	Sheet	200K2004		1	1	B1	C1	B2	C2
Circuit Diagram Number		Issue No	Sheet														
200K2004		1	1														
B1	C1	B2	C2														



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

THE SETTING TOOL ENABLES THE PAKSCAN F.C.U BAUD RATE AND ADDRESS TO BE CONFIGURED

VARISTOR FITTED BETWEEN TERMINALS 29 & 30 FOR TRANSIENT VOLTAGE SUPPRESSION.

CUSTOMER TO ENSURE A CONTINUOUS SCREEN CONNECTION IS MADE VIA SCREEN CLAMP SK5.

## NOTES

### 1.FUSES:

- PS1 is a self-resetting fuse.
- Refer to publication PUB002-039 for approved fuses FS1 and FS2.
- Actuator rated voltage specified on nameplate. Voltage tolerance +/-10%, applies for rated torque performance; duty cycle is not guaranteed.

### 2.REMOTE CONTROL:

- For typical remote control circuits refer to:
  - RWS indicated or PUB002-041.
- For DC and AC control, connect -ve/0V to terminal 36.
- (For negative switch / positive common, refer to RWS indicated).
- Control signal threshold voltages:
  - DC: "on"  $\geq 16Vdc$  / "off"  $\leq 8Vdc$ , max 60Vdc.
  - Control signal duration to be 100ms minimum.
- Maximum current drawn from remote control signals is:
  - 8mA at 24Vdc.
- Supply provided on terminals 4 & 5:
  - Intended for remote control.
  - Max external load 5W at 24Vdc

### 3.INDICATION:

- For typical position, status and alarm indication see PUB002-041.
- “S” contacts are user configurable and are shown in their default setting.
- Refer to PUB002-040 for functions and configuration instructions.
- Monitor Relay indicates actuator availability for remote control (shown “unavailable”). It can be configured to exclude local/remote selection.
- Refer to PUB002-040 for monitored functions and configuration instructions.
- Voltage applied to indication contacts must not exceed 150Vac
- Individual Switch current must not exceed 3.5A inductive, 5A resistive and no more than 8A in total for all 4 contacts.

### 4.BATTERY:

- Battery maintains local and remote “S” contact indication only.
- Refer to installation manual for approved replacement battery types.