

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

TRANSFORMER TAPPING OPTIONS	
Tap	Nominal 50/60Hz
TYPE 1	
W	220/230
X	380/400
Y	400,415/420
Z	440/460
FUSE FS 1=250mA ANTI-SURGE	
TYPE 2	
W	346/380
X	480/500
Y	240/240
Z	550/575
FUSE FS 1=250mA ANTI-SURGE	
TYPE 3	
X	660/660-690
Y	690/-
FUSE FS 1=150mA ANTI-SURGE	

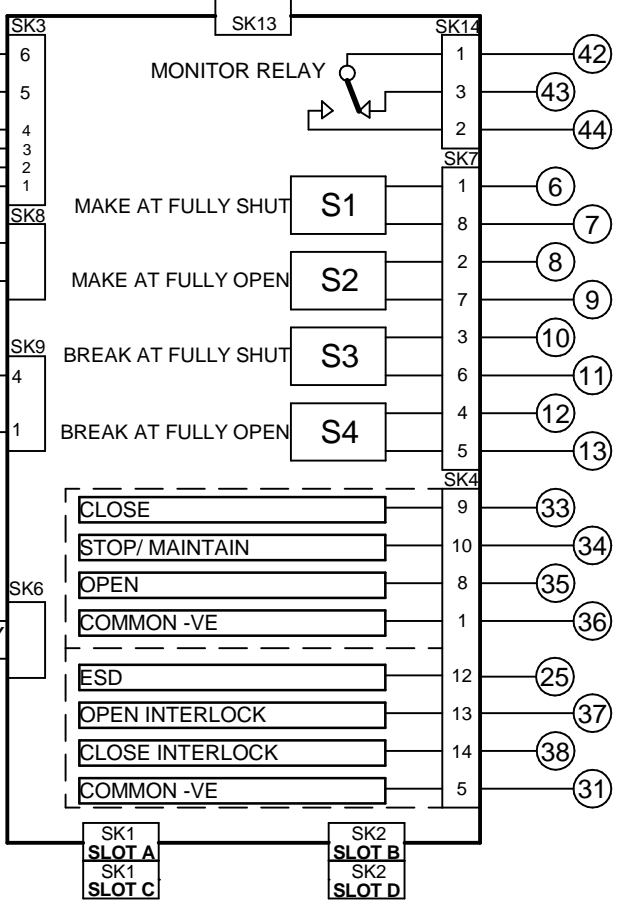
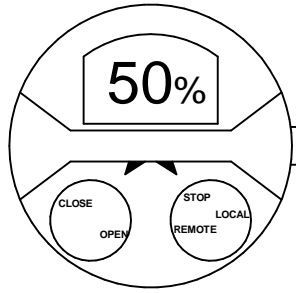
TRANSISTOR SWITCHING FOR  
24VDC CONTACTORS (IQ10-35)  
RELAYS ONLY FITTED WHEN  
120VAC CONTACTOR IS FITTED  
FOR IQ40,70,90,91 & 95

TORQUE  
SENSOR

POSITION  
SENSOR 10 WAY

BATTERY -

FS2 (IF FITTED) 100mA +



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

Iss	Date	Chkd	Revision Details
1	190216	JC1	FIRST ISSUE

**www.rotork.com**

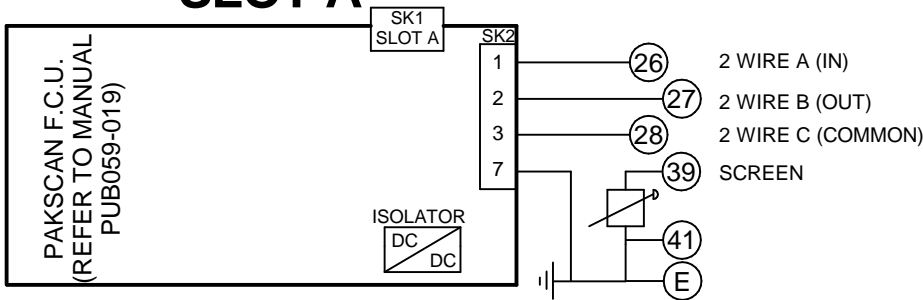
ROTORK CONTROLS LTD  
BATH, BA1 3JQ  
ENGLAND  
Tel:01225-733200

ROTORK CONTROLS INC  
ROCHESTER  
NY 14624, USA  
Tel:585-247-2304

IQ + CPT + CTT + PAKSCAN + RHS			
Drawn by: PJW	Circuit Diagram Number		Issue No
Date : 190216	<b>102K2006</b>		<b>1</b>
Base WD: 102K2006			Sheet
Job No : - -			<b>1</b>
MI No : - -			of 2

# SLOT A

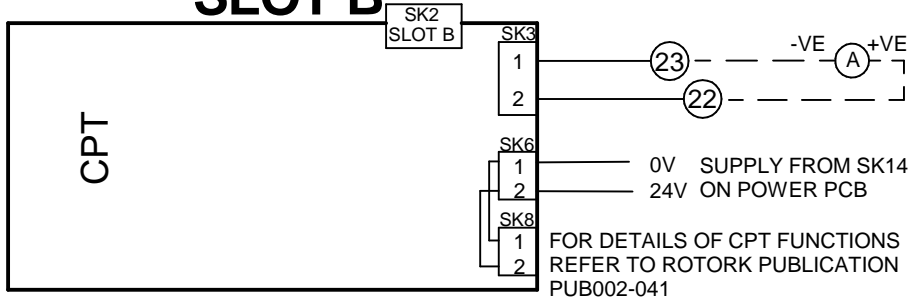
CIRCUIT DRAWN WITH POWER SUPPLY OFF



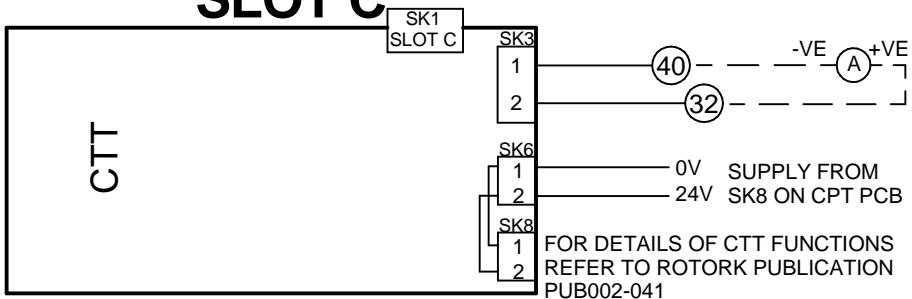
CARE SHOULD BE TAKEN TO ENSURE THAT  
CIRCUITS CONNECTED TO TERMINALS 4 OR 5 ARE  
NOT DIRECTLY OR INDIRECTLY CONNECTED TO  
GROUND.

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

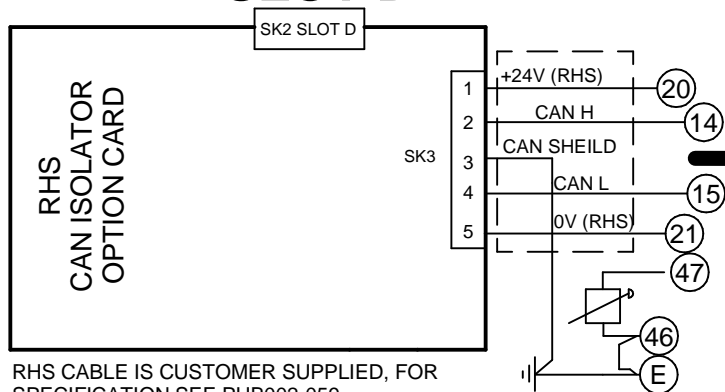
# SLOT B



# SLOT C



# SLOT D



RHS CABLE IS CUSTOMER SUPPLIED, FOR  
SPECIFICATION SEE PUB002-059,  
MAXIMUM LENGTH OF CABLE TO BE 100m.

## 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:

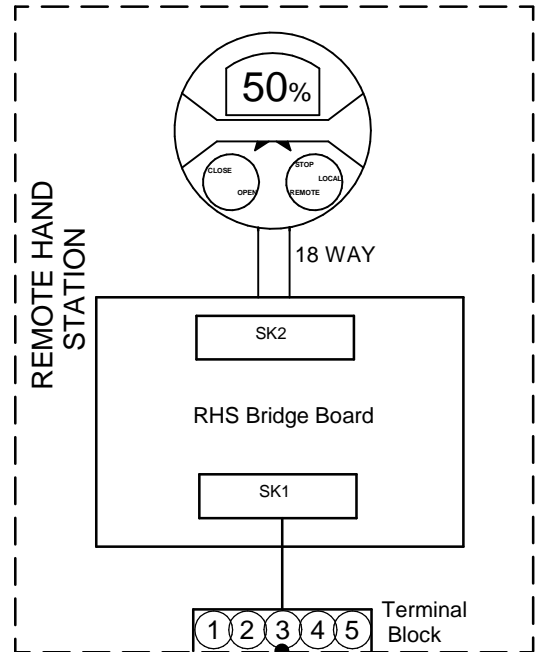
- For typical remote control circuits refer to:  
-RWS indicated or PUB002-041.
- For DC and AC control, connect -ve/0V to terminal 36.
- (For negative switch / positive common, refer to RWS indicated).
- Control signal threshold voltages:  
-DC: "on" ≥16Vdc / "off" ≤8Vdc, max 60Vdc.  
-AC: "on" ≥60Vac / "off" ≤40Vac, max 120Vac.
- Control signal duration to be 300ms minimum.
- Maximum current drawn from remote control signals is:  
-8mA at 24Vdc or 12mA at 120Vac.
- Supply provided on terminals 4 & 5:  
-Intended for remote control.  
-Max external load 5W at 24Vdc / 5VA at 120Vac

### 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.



Actuator Terminal Bung No.	RHS Terminal Block No.	Function
20	1	+24V (RHS)
21	2	0V (RHS)
14	3	CAN H
15	4	CAN L
47	5	SHEILD

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
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