

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	

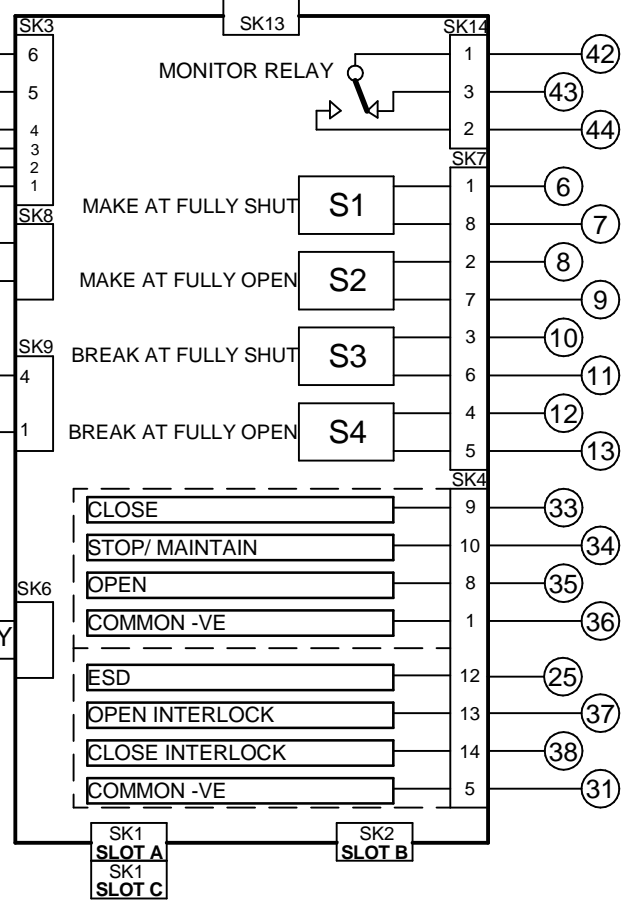
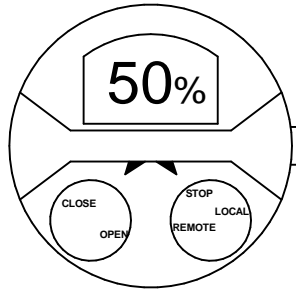
REFER TO SHEET 2 FOR NOTES & OPTION PCB'S IF FITTED

TORQUE SENSOR

POSITION SENSOR 10 WAY

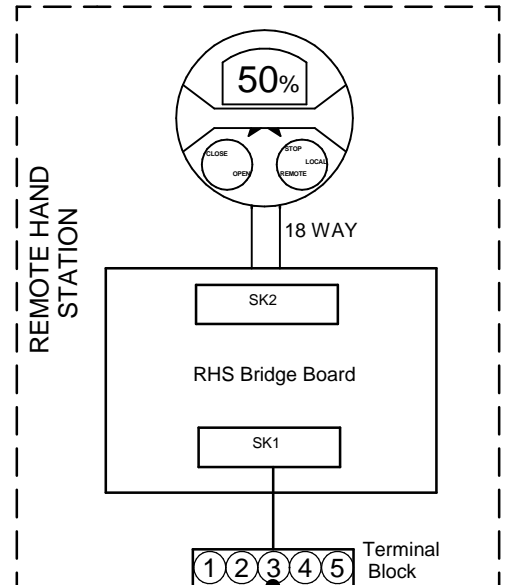
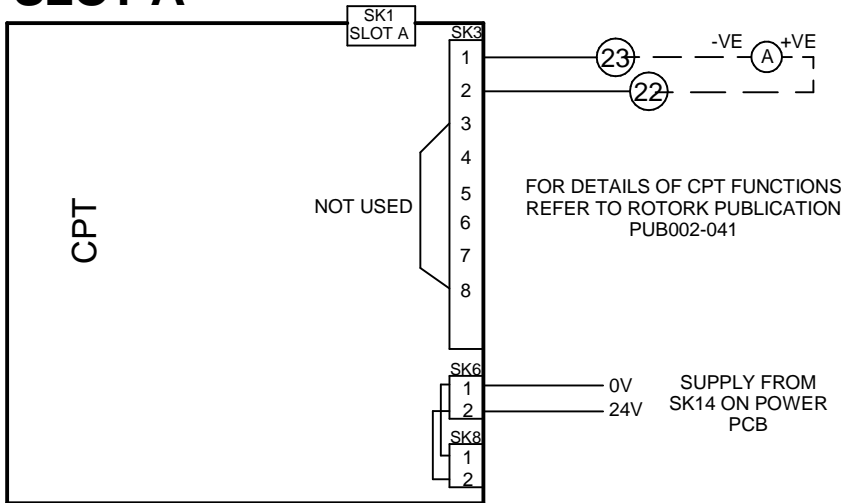
BATTERY -

FS2 (IF FITTED) 100mA

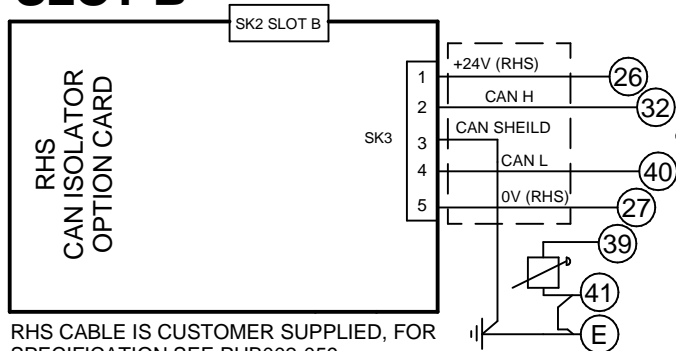


Iss	Date	Chkd	Revision Details	www.rotork.com		IQ + CPT + INDICATION RELAYS + RHS			
1	090115	PJW	First Issue.	ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304	Drawn by: PJW Date : 090115 Base WD: 101B0016 Job No : - - MI No : - -	Circuit Diagram Number <b>101B0016</b>	Issue No <b>3</b>	Sheet <b>1</b> of 2
2	040315	JJB	20 & 21 ON 'CAN' CHANGED TO 26 & 27						
3	140515	WJH	CAN description: "+24 (RHS)" and "0V (RHS)" was "24V (V_CUST)" & "GND" respectively.						
								B1 C1 B2 C2 B1 C1 M1 V1	

## SLOT A



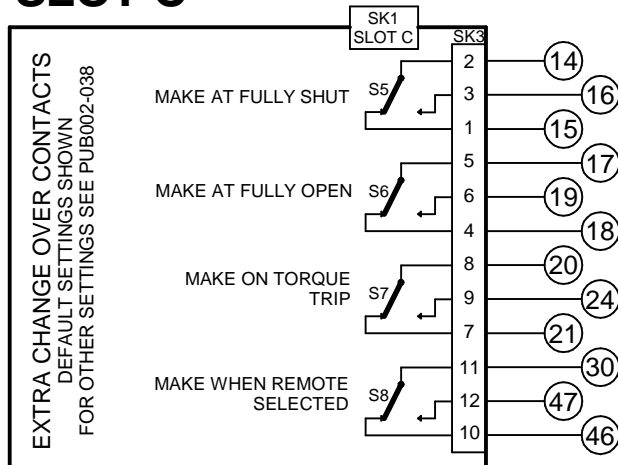
## SLOT B



Actuator Terminal Bung No.	RHS Terminal Block No.	Function
26	1	+24V (RHS)
27	2	0V (RHS)
32	3	CAN H
40	4	CAN L
39	5	SIELD

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

## SLOT C



### 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.