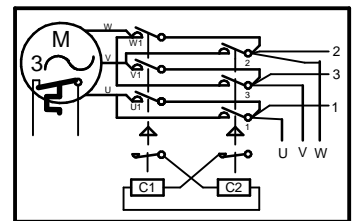


FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT  
**RWS102**

TRANSFORMER TAPPING OPTIONS	
Tap	Nominal 50/60Hz
W	200
X	220
Y	400
Z	440

FUSE FS1=250mA ANTI-SURGE

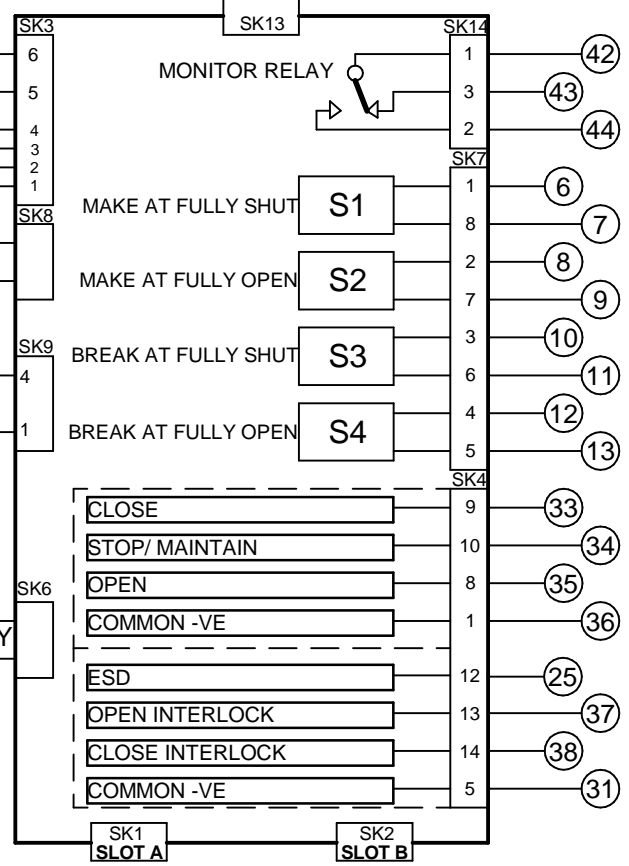
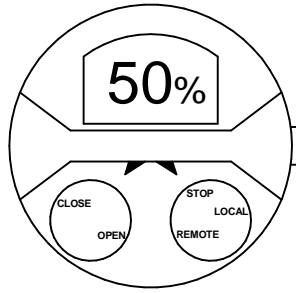
REFER TO SHEET 2 FOR NOTES & OPTION PCB'S IF FITTED



ALTERNATIVE CONTACTOR WIRING FOR SIZES IQ40, TO 95  
RELAYS ONLY FITTED WHEN 120VAC CONTACTOR IS FITTED FOR IQ40, TO 95



FS2 (IF FITTED) 100mA



Iss	Date	Chkd	Revision Details
1	050418	PJW	First Issue.

**www.rotork.com**

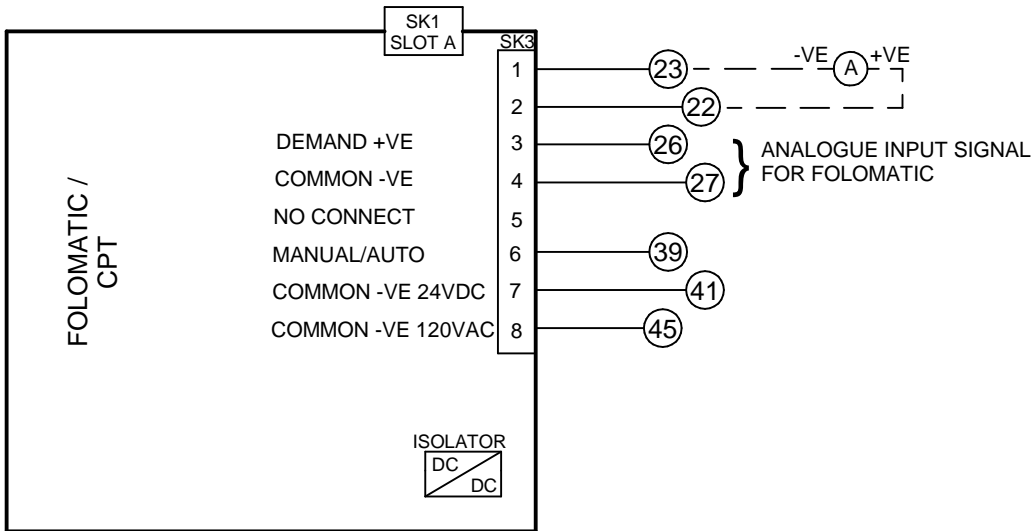
ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304
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**IQ + 120VAC REMOTE CONTROL SUPPLY + EXTRA RELAYS S5-S8 + FOLOMATIC+CPT JAPAN DIAGRAM**

Drawn by: PJW  
Date : 050418  
Base WD: 513B0010  
Job No : --  
MI No : --

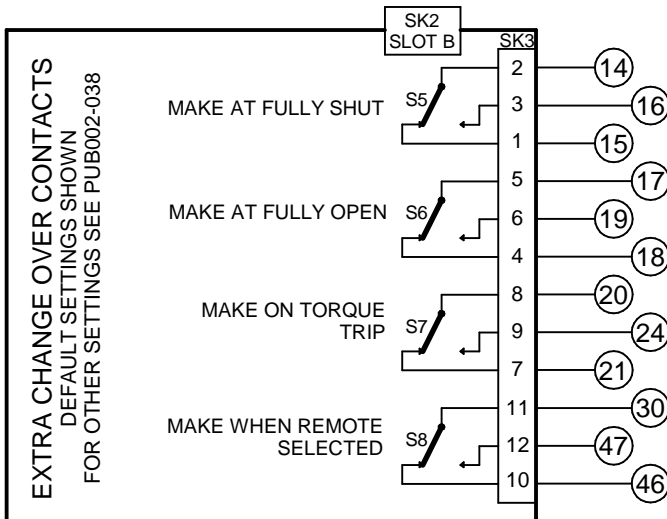
Circuit Diagram Number		Issue No	Sheet
<b>513B0010</b>		<b>1</b>	<b>1</b>
B1	C1	B2	C2
B1	C1	M1	V1

## SLOT A



FOR MANUAL/AUTO CONNECTIONS AND  
DETAILS OF FOLOMATIC/CPT FUNCTIONS  
REFER TO ROTORK PUBLICATION PUB002-041

## SLOT B



### 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.
  - AC: "on"  $\geq 60Vac$  / "off"  $\leq 40Vac$ , 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.