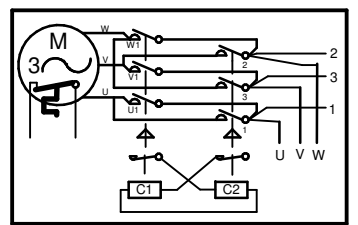


FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT  
**RWS102**

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

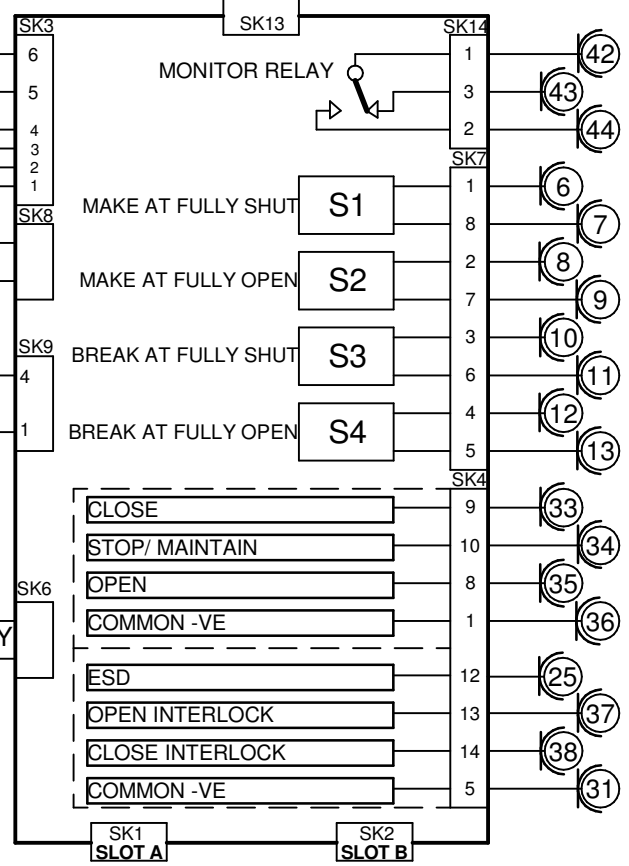
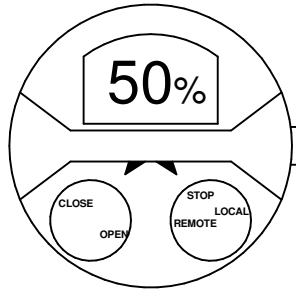


ALTERNATIVE CONTACTOR WIRING FOR SIZES IQ40, TO 95  
RELAYS ONLY FITTED WHEN 120VAC CONTACTOR IS FITTED FOR IQ40, TO 95

PLUG & SOCKET CONNECTION



FS2 (IF FITTED) 100mA



Iss	Date	Chkd	Revision Details
1	200120	JC1	First Issue.

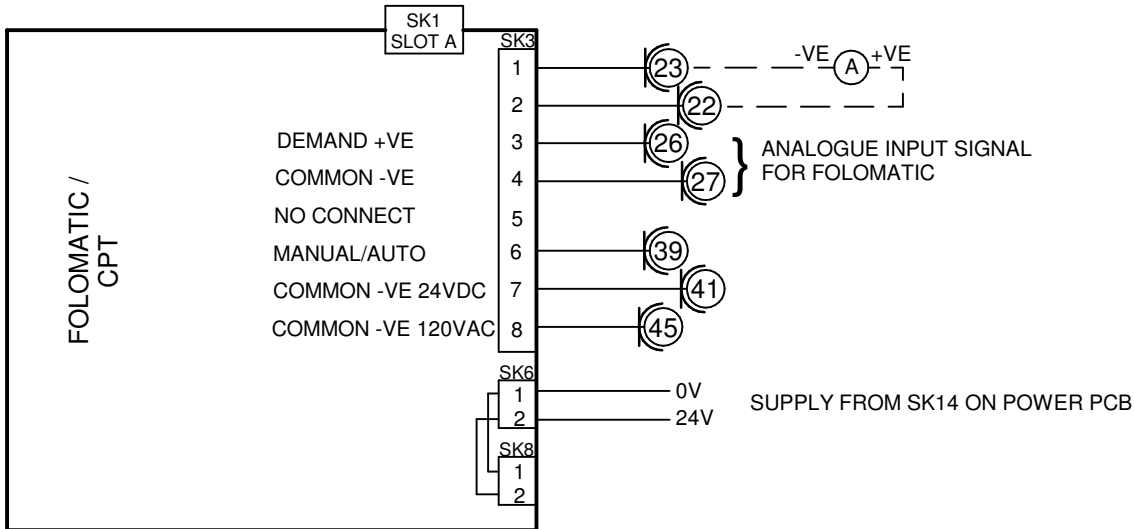
**www.rotork.com**

ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304
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IQ + FOLOMATIC & CPT + PLUG & SOCKET JAPAN DIAGRAM

Drawn by: PJW Date : 300120 Base WD: 503B0002 Job No : - - MI No : - -	Circuit Diagram Number <b>503B0002</b>	Issue No <b>1</b>	Sheet <b>1</b> of 2
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# SLOT A



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

## 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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
503B0002	1	2 of 2