

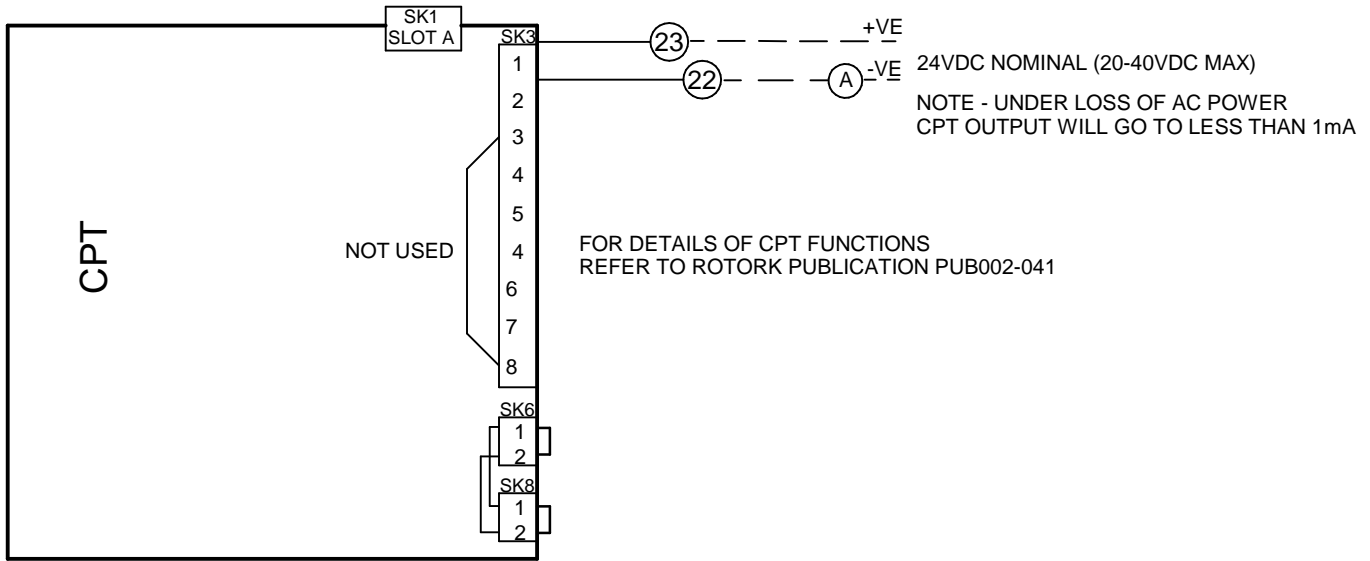
FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT
RWS100

| VOLTAGE OPTIONS | |
|-----------------|----------------|
| VOLTAGE | SIZE |
| 110VDC | 10,12,18,20,25 |
| 48VDC | 10,12,18 |
| 24VDC | 10 |

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

| | | | | | | | | | | | | | | | | | | |
|------------------------|----------------|-------------|---|-----------------------|---|--|--|------------------------|--|----------|-------|-----------------|--|----------|----------|----|----|----|
| Iss 1 | Date 040714 | Chkd PJW | Revision Details FIRST ISSUE | www.rotork.com | IQ DC + LOOP POWERED CPT | | | | | | | | | | | | | |
| | | | ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200 | | ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304 | Drawn by: JC1 Date : 040714 Base WD: 145B0000 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" style="text-align: center;">145B0000</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>B1</td> <td>C1</td> <td>B2</td> <td>C2</td> </tr> </table> | Circuit Diagram Number | | Issue No | Sheet | 145B0000 | | 1 | 1 | B1 | C1 | B2 |
| Circuit Diagram Number | | Issue No | Sheet | | | | | | | | | | | | | | | |
| 145B0000 | | 1 | 1 | | | | | | | | | | | | | | | |
| B1 | C1 | B2 | C2 | | | | | | | | | | | | | | | |

SLOT A



NOTES

1.FUSES:

- FS1 - 6A anti-surge.
- Actuator rated voltage specified on nameplate. Voltage tolerance +/-10%, applies for rated torque performance; duty cycle and speed 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

5.DC:

- Default for sleep mode is DISABLED.
- Sleep mode can be enabled by moving link LK1 from NORM to SOLAR. (Basic DC solar is 150B0000)
- Actuator will remain powered up at all times while supply is present.
- 24VDC will be lost when in sleep mode.
- If customer supply is needed to wake actuator link LK3 must be moved to CUST for maintained customer supply.

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.