



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 2	Date 240413 240614	Chkd PJW MR	Revision Details FIRST ISSUE	<b>www.rotork.com</b>	IQ DC SOLAR BASIC DIAGRAM											
			SHEET 2, NOTE 1 UPDATED													
			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 : 240413 Base WD: 150B0000 Job No : -- MI No : --	<table border="1"> <tr> <td colspan="2">Circuit Diagram Number</td> <td rowspan="2">Issue No <b>2</b></td> <td rowspan="2">Sheet <b>1</b> of 2</td> </tr> <tr> <td colspan="2"><b>150B0000</b></td> </tr> </table>	Circuit Diagram Number		Issue No <b>2</b>	Sheet <b>1</b> of 2	<b>150B0000</b>					
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			<table border="1"> <tr> <td>B1</td> <td>C1</td> <td>B2</td> <td>C2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		B1	C1	B2	C2								
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# NO OPTIONS FITTED

## **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"  $\geq 16Vdc$  / "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

### **5.DC:**

- Default for sleep mode is ENABLE.
- To disable sleep mode connect 5 to 46 & 4 to 47.
- Sleep mode can also be disabled by moving link LK1 from SOLAR to NORM.
- 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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
150B0000	2	2 of 2