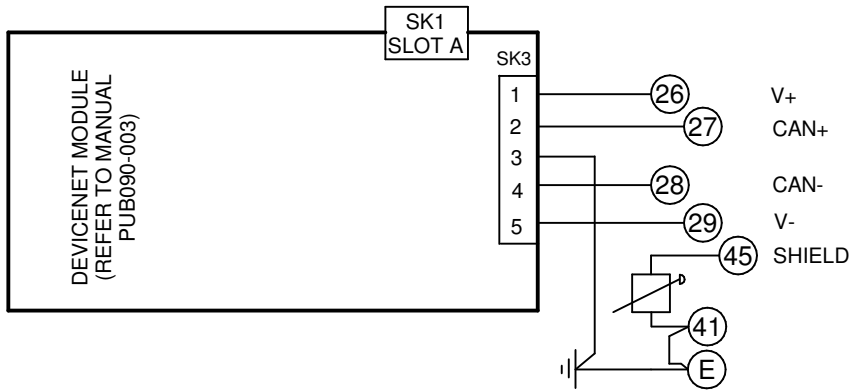


FOR TYPICAL REMOTE CONTROL  
DETAILS, SEE DOCUMENT  
**RWS100**

| 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<br>1               | Date<br>130918 | Chkd<br>PJW | Revision Details<br>FIRST ISSUE                                     | <b>www.rotork.com</b> | IQ DC + DEVICENET   |  |  |                        |  |          |       |                 |  |          |          |    |    |    |
|                        |                |             | ROTORK CONTROLS LTD<br>BATH, BA1 3JQ<br>ENGLAND<br>Tel:01225-733200 |                       | ROTORK CONTROLS INC<br>ROCHESTER<br>NY 14624, USA<br>Tel:585-247-2304 | Drawn by: JC1<br>Date : 130918<br>Base WD: 140D2000<br>Job No : --<br>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;"><b>140D2000</b></td> <td style="text-align: center;"><b>1</b></td> <td style="text-align: center;"><b>1</b></td> </tr> <tr> <td>B1</td> <td>C1</td> <td>B2</td> <td>C2</td> </tr> </table> | Circuit Diagram Number |  | Issue No | Sheet | <b>140D2000</b> |  | <b>1</b> | <b>1</b> | B1 | C1 | B2 |
| Circuit Diagram Number |                | Issue No    | Sheet   |                       |   |  |  |                        |  |          |       |                 |  |          |          |    |    |    |
| <b>140D2000</b>        |                | <b>1</b>    | <b>1</b>  |                       |   |  |  |                        |  |          |       |                 |  |          |          |    |    |    |
| 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"  $\geq 16Vdc$  / "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 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.