

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

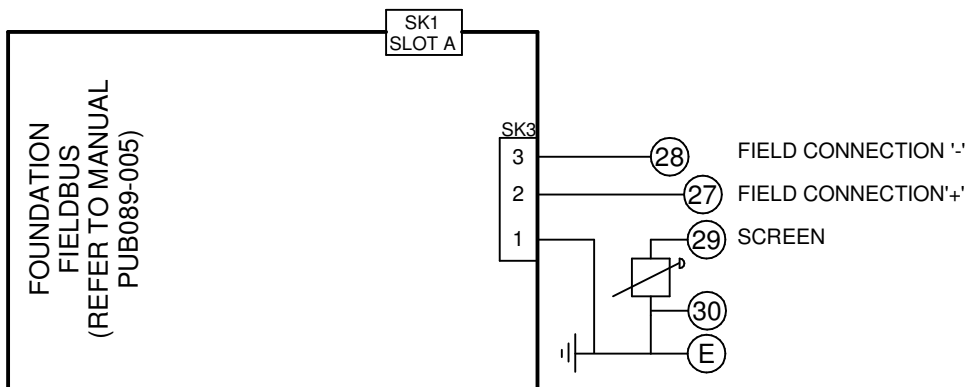
Iss	Date	Chkd	Revision Details
1	250918	JC1	FIRST ISSUE

**www.rotork.com**

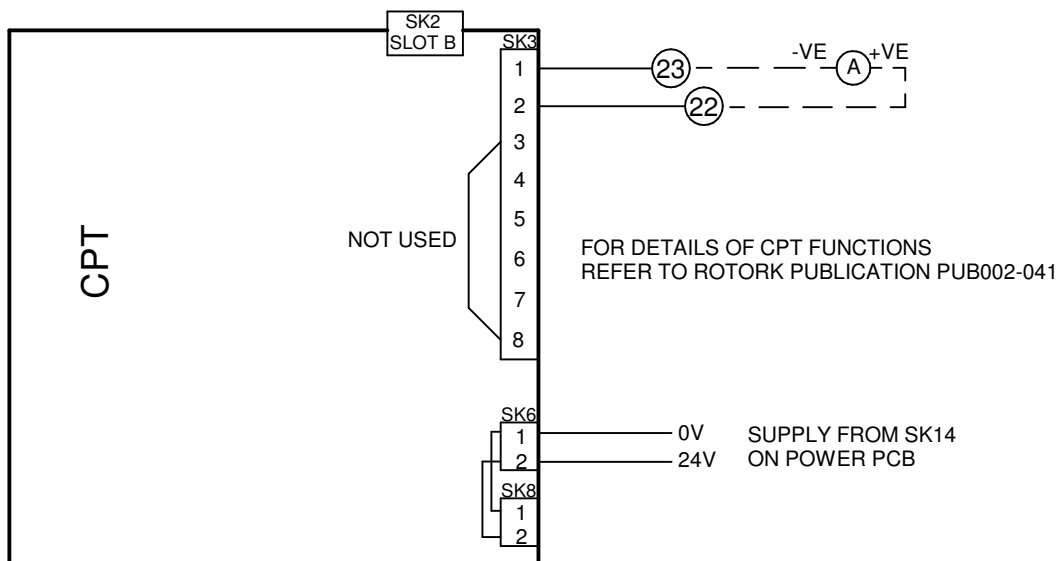
ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304
---	---

IQ DC + FOUNDATION FIELDBUS & CPT		Issue No	Sheet										
Drawn by: PJW Date : 250918 Base WD: 141F2000 Job No : -- MI No : --	Circuit Diagram Number <b>141F2000</b>	1	1 of 2										
<table border="1" style="width: 100%; text-align: center;"> <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								
B1	C1	B2	C2										

## SLOT A



## SLOT B



### 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.
- Profibus signal will not wake up actuator

#### 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.