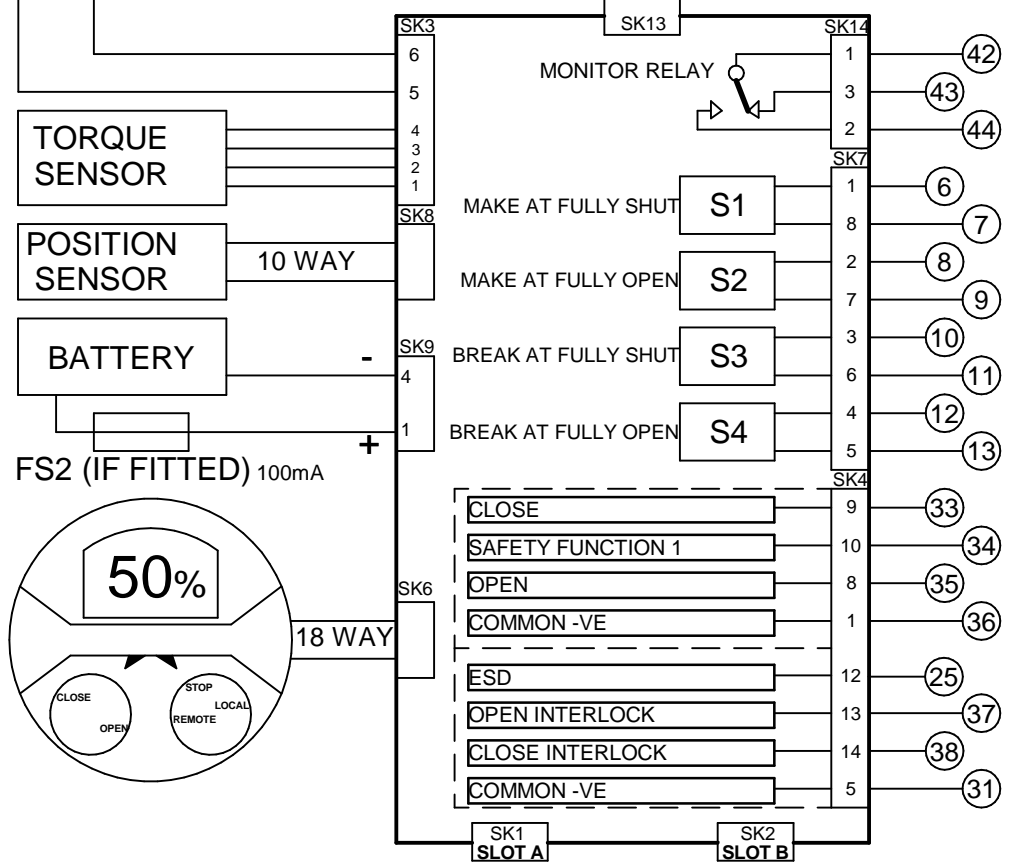


FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS130**

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



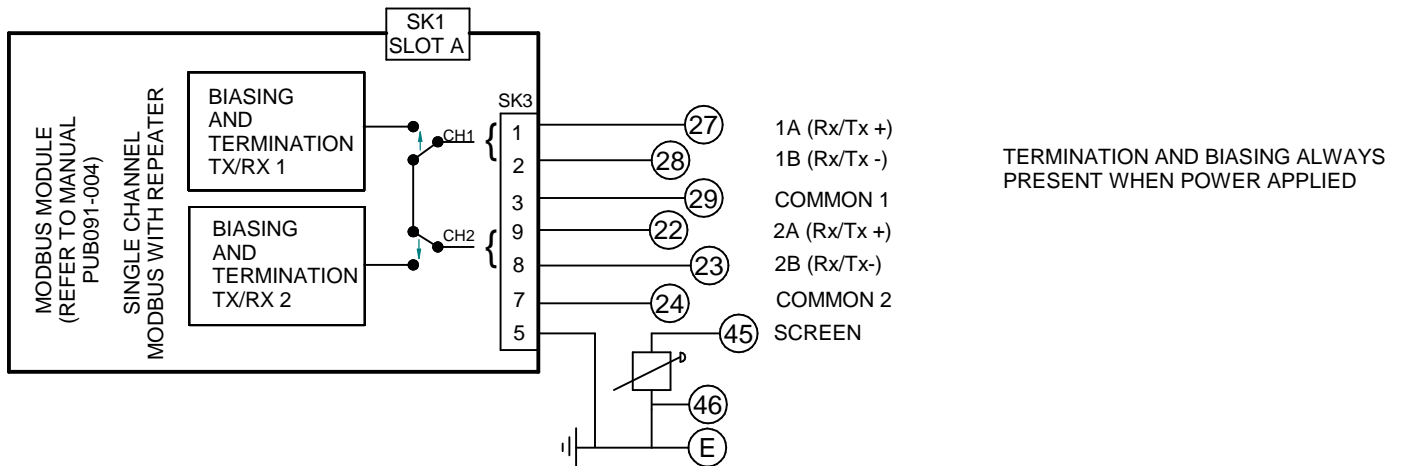
**SIL NOTES (Superseeding Sheet 2 Notes)**

Independently Certified to IEC61508-2 (2010) as an element suitable for use in safety related systems up to and including SIL 2 (1001) and SIL 3 (1002). Must be installed, commissioned, tested and operated fully in accordance with the Safety Manual. Refer to SIL Safety Manual - PUB002-110

**SIL STAYPUT (Safety Function 1):** The control signal must be applied to terminal 34 before an open or closed control signal will operate the actuator. This is a high demand safety function, actuator will not move spuriously. The SIL STAYPUT function is not applicable for LOCAL control.

Iss	Date	Chkd	Revision Details	www.rotork.com		IQ SIL STAYPUT SINGLE PHASE + MODBUS REPEATER MODULE.																			
1	010923	BRW	First Issue.	ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304	Drawn by: PJW Date : 0109123 Base WD: 120M4030 Job No : -- MI No : --	<table border="1"> <tr> <td colspan="4">Circuit Diagram Number</td> <td>Issue No</td> <td>Sheet</td> </tr> <tr> <td colspan="4"><b>120M4030</b></td> <td><b>1</b></td> <td><b>1</b></td> </tr> <tr> <td>B1</td> <td>C1</td> <td>B2</td> <td>C2</td> <td colspan="2"></td> </tr> </table>	Circuit Diagram Number				Issue No	Sheet	<b>120M4030</b>				<b>1</b>	<b>1</b>	B1	C1	B2	C2		
Circuit Diagram Number				Issue No	Sheet																				
<b>120M4030</b>				<b>1</b>	<b>1</b>																				
B1	C1	B2	C2																						

# SLOT A



## 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"  $\geq 16\text{Vdc}$  / "off"  $\leq 8\text{Vdc}$ , max 60Vdc.
  - AC: "on"  $\geq 60\text{Vac}$  / "off"  $\leq 40\text{Vac}$ , 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
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