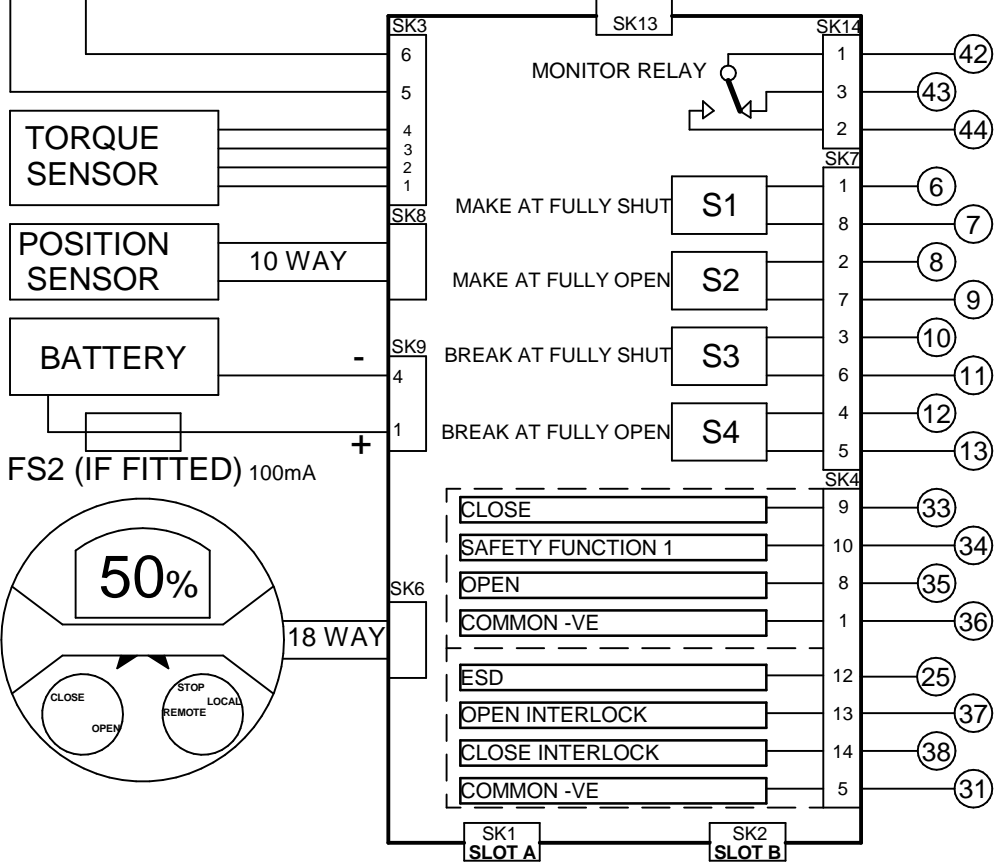


FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS130**

| TRANSFORMER TAPPING OPTIONS |                 |
|-----------------------------|-----------------|
| Tap                         | Nominal 50/60Hz |
| TYPE 1                      |                 |
| W                           | 220/230         |
| X                           | 380/400         |
| Y                           | 400,415/420     |
| Z                           | 440/460         |
| FUSE FS 1=250mA ANTI-SURGE  |                 |
| TYPE 2                      |                 |
| W                           | 346/380         |
| X                           | 480/500         |
| Y                           | 240/240         |
| Z                           | 550/575         |
| FUSE FS 1=250mA ANTI-SURGE  |                 |
| TYPE 3                      |                 |
| X                           | 660/660-690     |
| Y                           | 690/-           |
| FUSE FS 1=150mA ANTI-SURGE  |                 |

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 (1oo1) and SIL 3 (1oo2). 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.

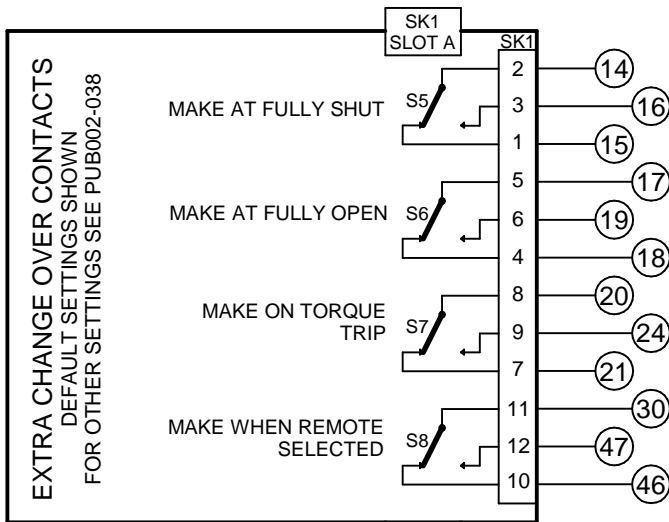
| Iss | Date   | Chkd | Revision Details |
|-----|--------|------|------------------|
| 1   | 140317 | JC1  | First Issue.     |

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|   |   |
|---|---|
| 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 |
|---|---|

**IQ SIL STAYPUT + EXTRA INDICATION RELAYS S5-S8**

|  |   |                      |                           |
|--|---|----------------------|---------------------------|
| Drawn by: PJW<br>Date : 140317<br>Base WD: 101B0040<br>Job No : -<br>MI No : MI04584 | Circuit Diagram Number<br><b>100B0040</b> | Issue No<br><b>1</b> | Sheet<br><b>1</b><br>of 2 |
|--|---|----------------------|---------------------------|

**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  |
| 100B0040               | 1        | 2 of 2 |