

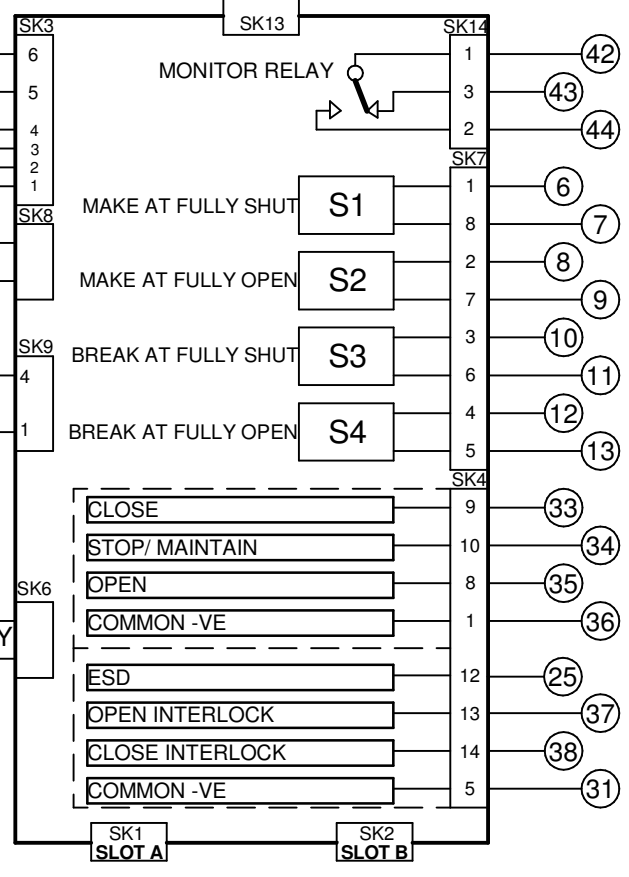
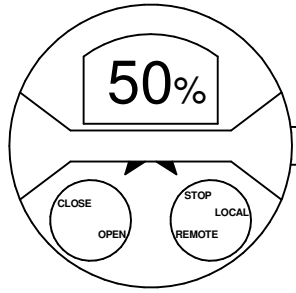
FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT  
**RWS100**

| 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



FS2 (IF FITTED) 100mA



| Iss | Date   | Chkd | Revision Details                            |
|-----|--------|------|---|
| 1   | 260318 | PJW  | FIRST ISSUE.                                |
| 2   | 230718 | PJW  | PROFIBUS PUB SHT2<br>UPDATED WAS PUB008-005 |

**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 + DUAL CHANNEL PROFIBUS MODULE + RHS

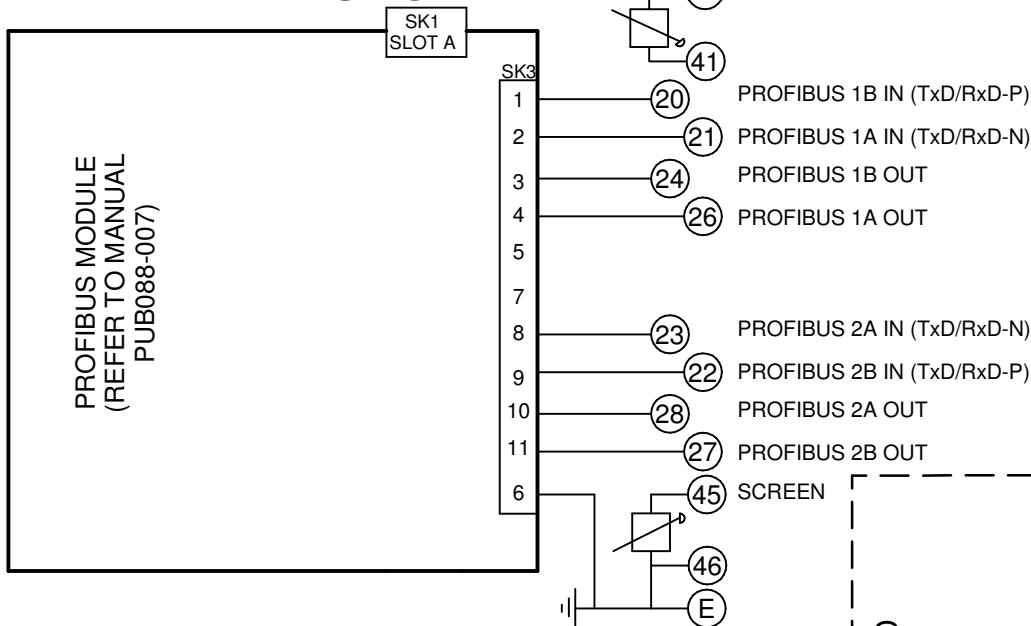
Drawn by: PJW  
Date : 260318  
Base WD: 100P3006  
Job No : - -  
MI No : - -

|                        |    |          |          |
|------------------------|----|----------|----------|
| Circuit Diagram Number |    | Issue No | Sheet    |
| <b>100P3006</b>        |    | <b>2</b> | <b>1</b> |
| B1                     | C1 | B2       | C2       |

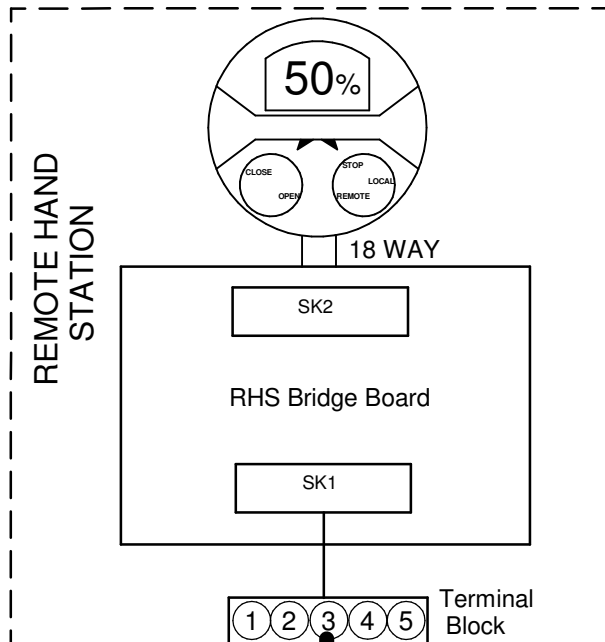
1 of 2

CIRCUIT DRAWN WITH POWER SUPPLY OFF

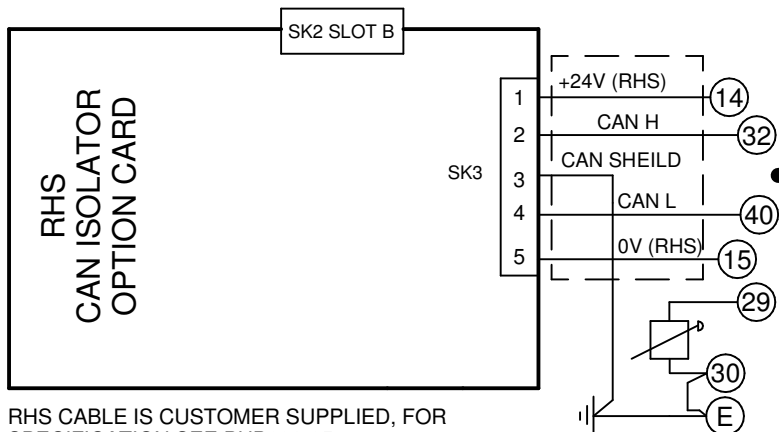
## SLOT A



THE SETTING TOOL ENABLES THE PROFIBUS ADDRESS TO BE CONFIGURED.



## SLOT B



RHS CABLE IS CUSTOMER SUPPLIED, FOR SPECIFICATION SEE PUB002-059, MAXIMUM LENGTH OF CABLE TO BE 100M.

| Actuator Terminal Bung No. | RHS Terminal Block No. | Function   |
|----------------------------|------------------------|------------|
| 14                         | 1                      | +24V (RHS) |
| 15                         | 2                      | 0V (RHS)   |
| 32                         | 3                      | CAN H      |
| 40                         | 4                      | CAN L      |
| 29                         | 5                      | SHEILD     |

### 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" ≥16Vdc / "off" ≤8Vdc, max 60Vdc.
  - AC: "on" ≥60Vac / "off" ≤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

#### 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  |
| 100P3006               | 2        | 2 of 2 |