

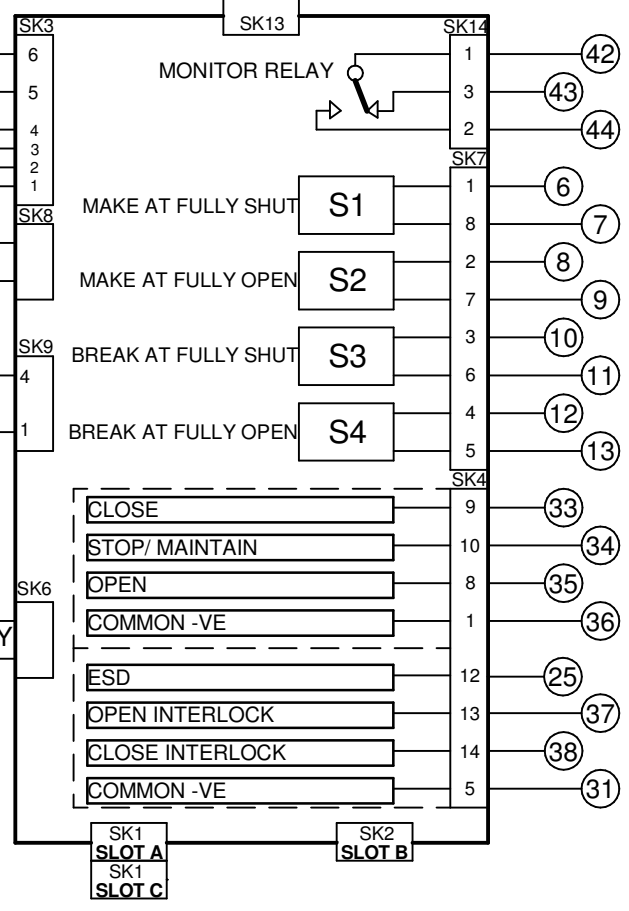
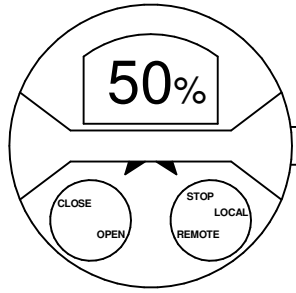
FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT  
**RWS123**

| 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   | 020118 | JC1  | First Issue.                                |
| 2   | 240718 | 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  
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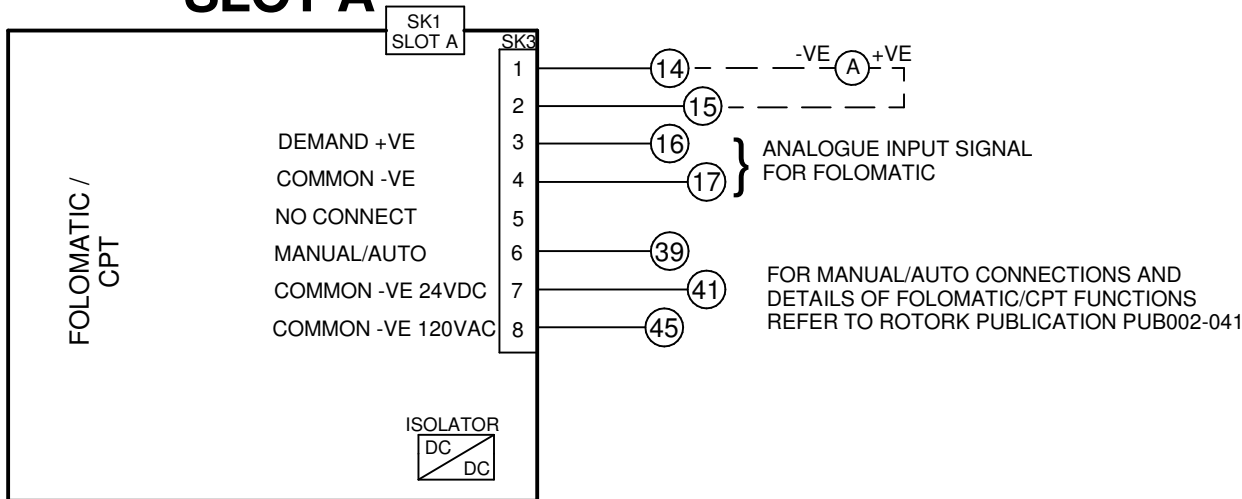
IQ + 120VAC SUPPLY + EXTRA RELAYS S5-S8 + SINGLE CHANNEL PROFIBUS + FOLO/CPT.

Drawn by: PJW  
Date : 020118  
Base WD: 113P2010  
Job No : --  
MI No : --

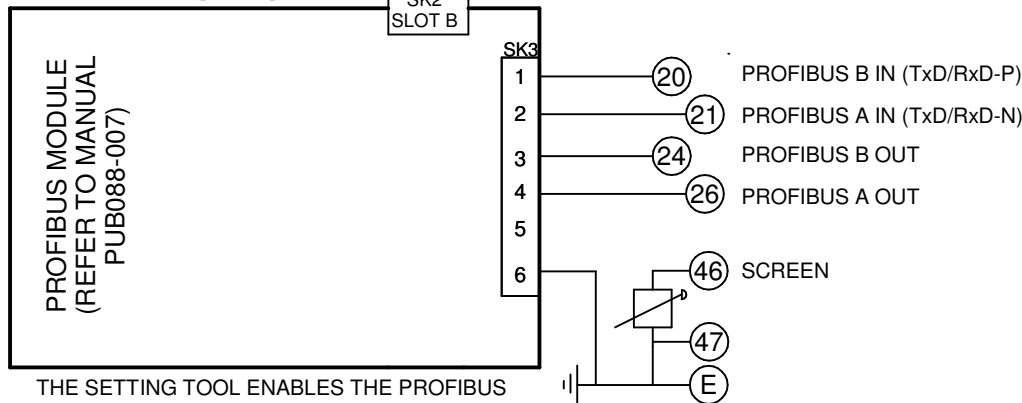
|                        |    |          |          |
|------------------------|----|----------|----------|
| Circuit Diagram Number |    | Issue No | Sheet    |
| <b>113P2010</b>        |    | <b>2</b> | <b>1</b> |
| B1                     | C1 | B2       | C2       |
| B1                     | C1 | M1       | V1       |

# SLOT A

CIRCUIT DRAWN WITH POWER SUPPLY OFF

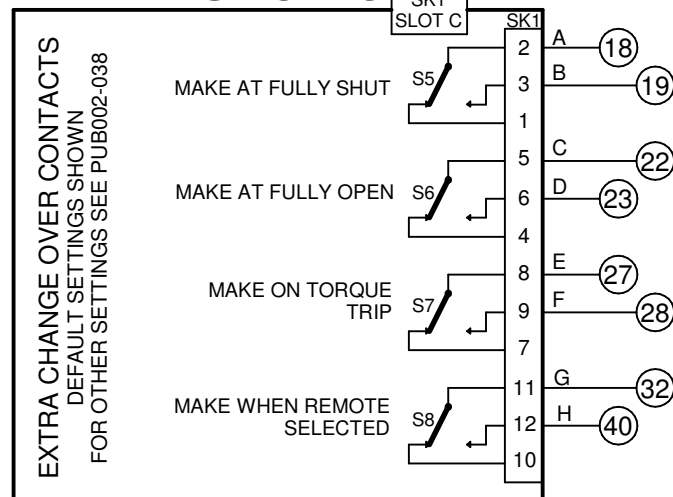


# SLOT B



THE SETTING TOOL ENABLES THE PROFIBUS ADDRESS TO BE CONFIGURED.

# SLOT C



## 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"  $\geq 16Vdc$  / "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

### 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  |
| 113P2010               | 2        | 2 of 2 |