

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

TRANSFORMER TAPPING OPTIONS		
Tap	Nominal 50/60Hz	FUSE FS1
VOLTAGE	50HZ/60HZ	
LOW	115	500mA
HIGH	230	250mA
FUSE FS1 TO BE ANTI SURGE		
CAPACITOR START/RUN (CS/CS2 AND CR/CR2) COMBINATIONS & VALUES		
VARY WITH SUPPLY VOLTAGE & ACTUATOR SIZE.		

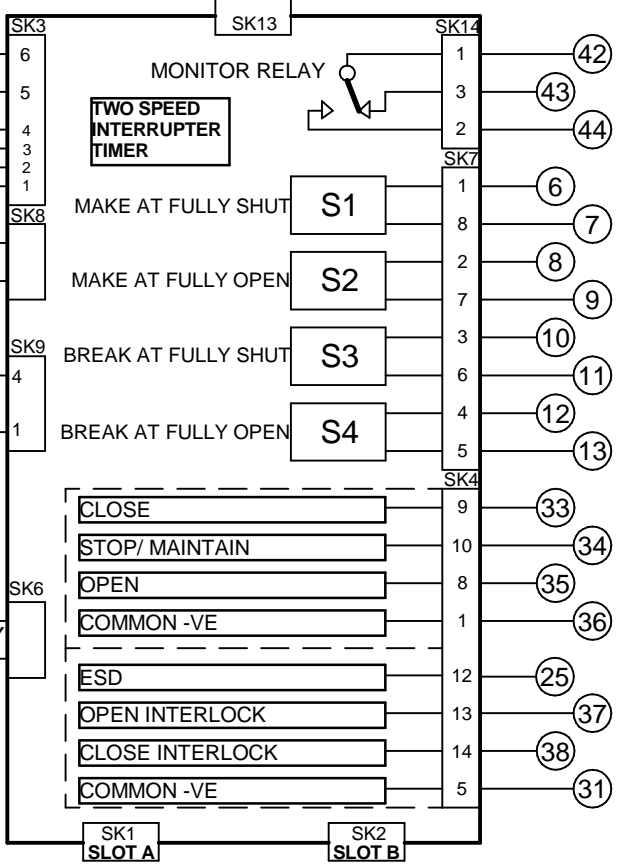
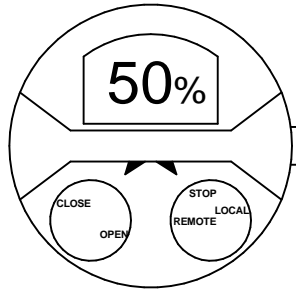
REFER TO SHEET 2 FOR NOTES  
& OPTION PCB'S IF FITTED

**TORQUE  
SENSOR**

**POSITION  
SENSOR** 10 WAY

**BATTERY**

FS2 (IF FITTED) 100mA



Iss	Date	Chkd	Revision Details
1	200519	JC1	First Issue.
2	041120	PJW	TERMINATION* removed from SW2 on Sht 2.

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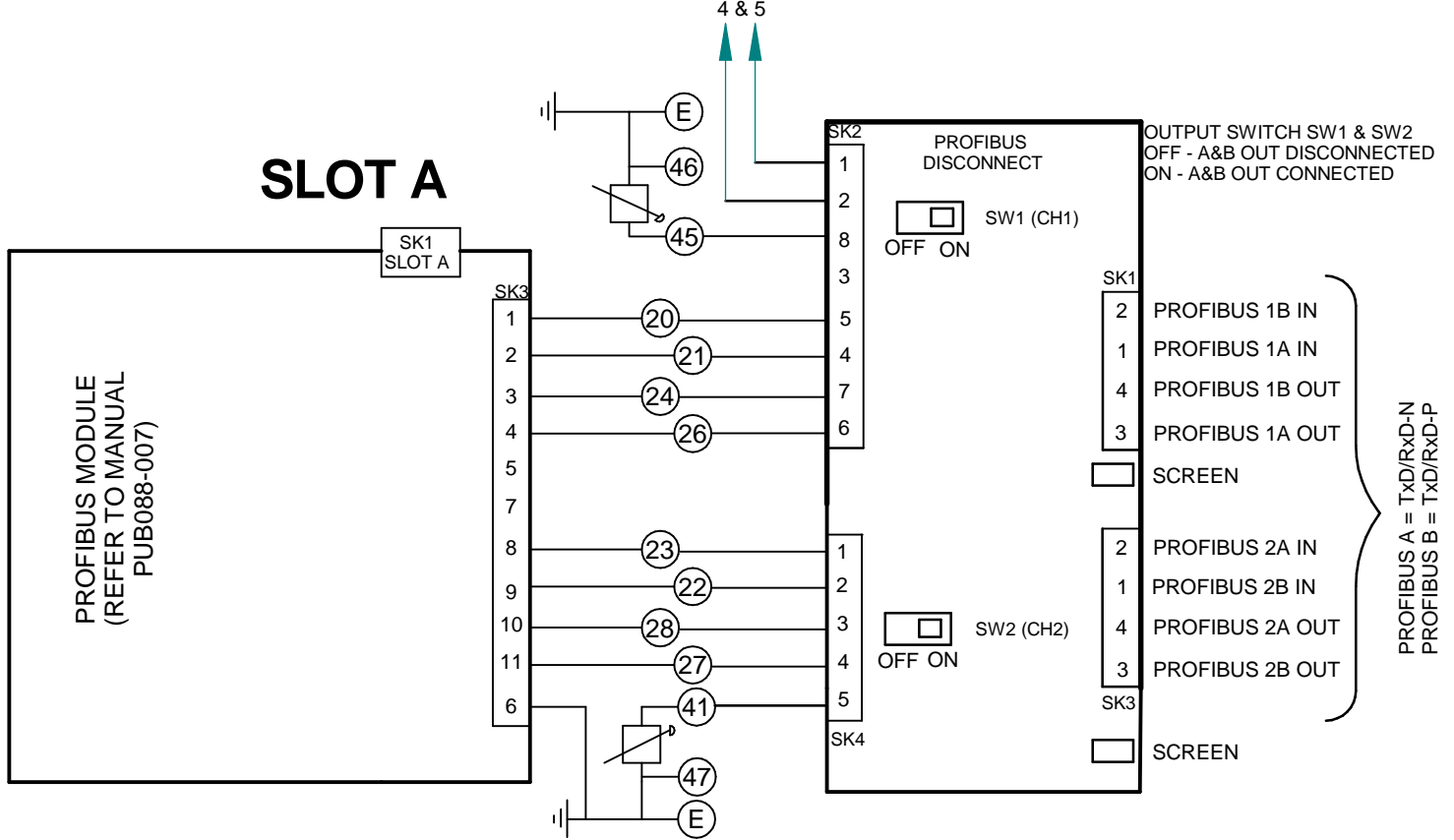
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IQ SINGLE PHASE + DUAL CHANNEL PROFIBUS MODULE AND PROFIBUS DISCONNECT + TIMER		Circuit Diagram Number <b>120P3005</b>	Issue No <b>2</b>	Sheet <b>1</b> of 2
Drawn by: PJW	Date : 200519	Base WD: 120P3005	Job No : --	MI No : --
B1	C1	B2	C2	

CIRCUIT DRAWN WITH POWER SUPPLY OFF

24VDC SUPPLY FROM TERMINALS



# SLOT A

PROFIBUS MODULE  
(REFER TO MANUAL  
PUB088-007)

OUTPUT SWITCH SW1 & SW2  
OFF - A&B OUT DISCONNECTED  
ON - A&B OUT CONNECTED

PROFIBUS A = TxD/RxD-N  
PROFIBUS B = TxD/RxD-P

THE SETTING TOOL ENABLES THE PROFIBUS ADDRESS TO BE CONFIGURED.

**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.

Circuit Diagram Number	Issue No	Sheet
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		of 2

See Sheet 1 for all Revision details/information