

Iss	Date	Chkd	Revision Details
2	041113	PMJ	Fuse requirements for low and high voltage included. Fuse comment updated.
3	180614	MR	Note 1 added to sheet 2
4	020916	PW	Updated page 2 to show correct termination
5	240718	PJW	SW1 Profibus Pub Sht2 updated was PUB008-005
6	260918	DH	'TERMINATION' removed from SW1 on Sht 2.
7	041120	PJW	'TERMINATION' removed from SW2 on Sht 2.

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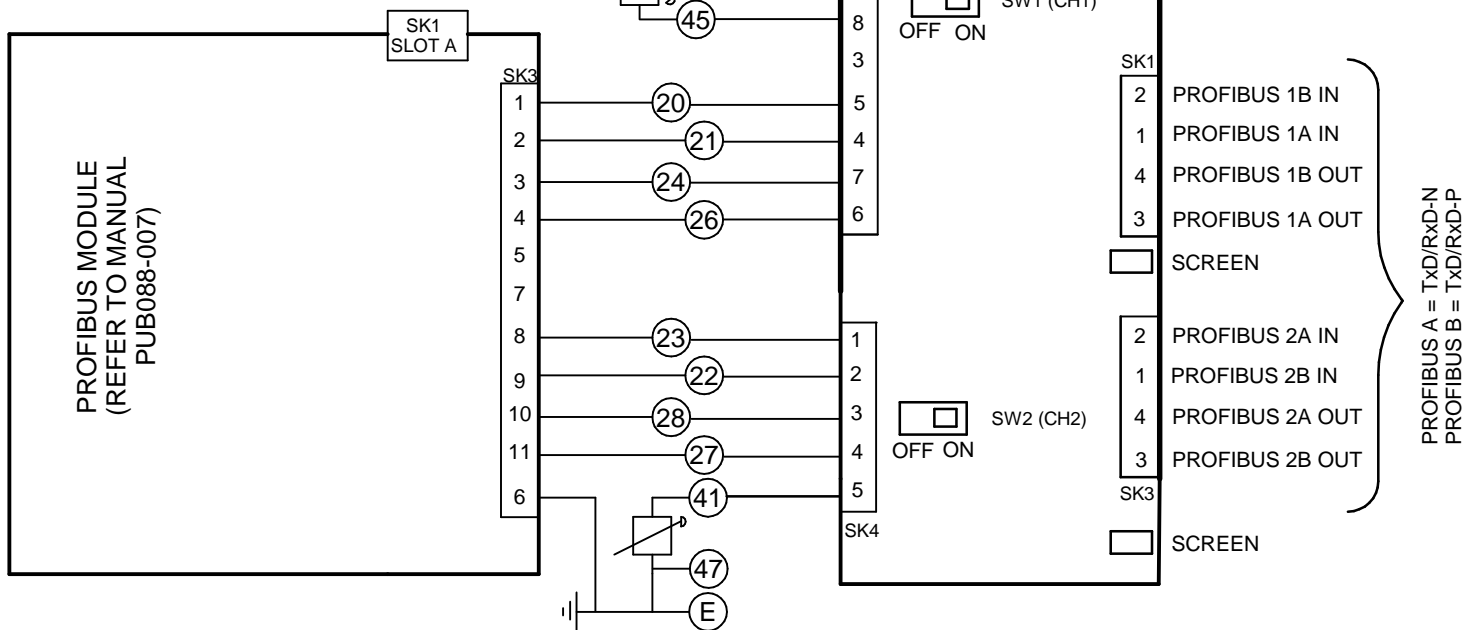
IQ SINGLE PHASE + DUAL PROFIBUS MODULE AND PROFIBUS DISCONNECT		
Drawn by: PMJ	Circuit Diagram Number	Issue No
Date : 070612	120P3004	7
Base WD: 120P3000		
Job No : --		1
MI No : --	B1 C1 B2 C2	of 2

CIRCUIT DRAWN WITH POWER SUPPLY OFF

24VDC SUPPLY FROM TERMINALS

4 & 5

SLOT A



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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
120P3004	7	2
		of 2