

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.

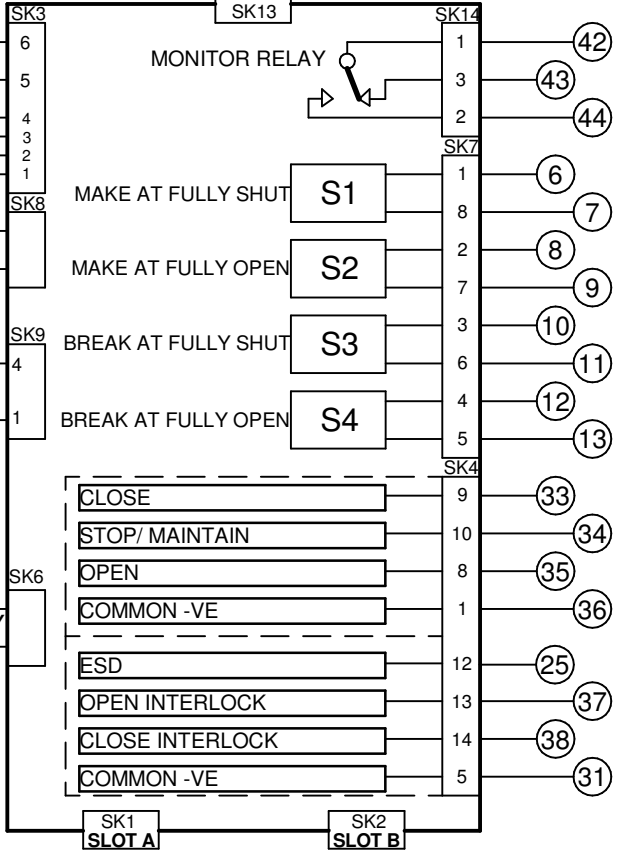
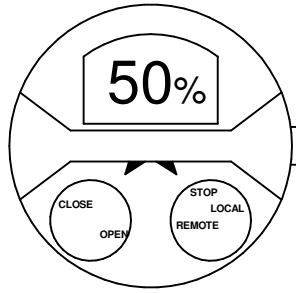
REFER TO SHEET 2 FOR NOTES & OPTION PCB'S IF FITTED

TORQUE SENSOR

POSITION SENSOR 10 WAY

BATTERY

FS2 (IF FITTED) 100mA



Iss	Date	Chkd	Revision Details
4	090113	PMJ	Re-track of the 24V DC pin of SK14 to behind the diode.
5	080313	JC1	Profibus screen suppressor added terminals 41 & 47.
6	041113	PMJ	Fuse requirements for low and high voltage included. Fuse comment updated.
7	180614	MR	Note 1 added to sheet 2
8	240718	PJW	PROFIBUS PUB SHT2 UPDATED WAS PUB008-005

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IQ SINGLE PHASE + DUAL PROFIBUS MODULE

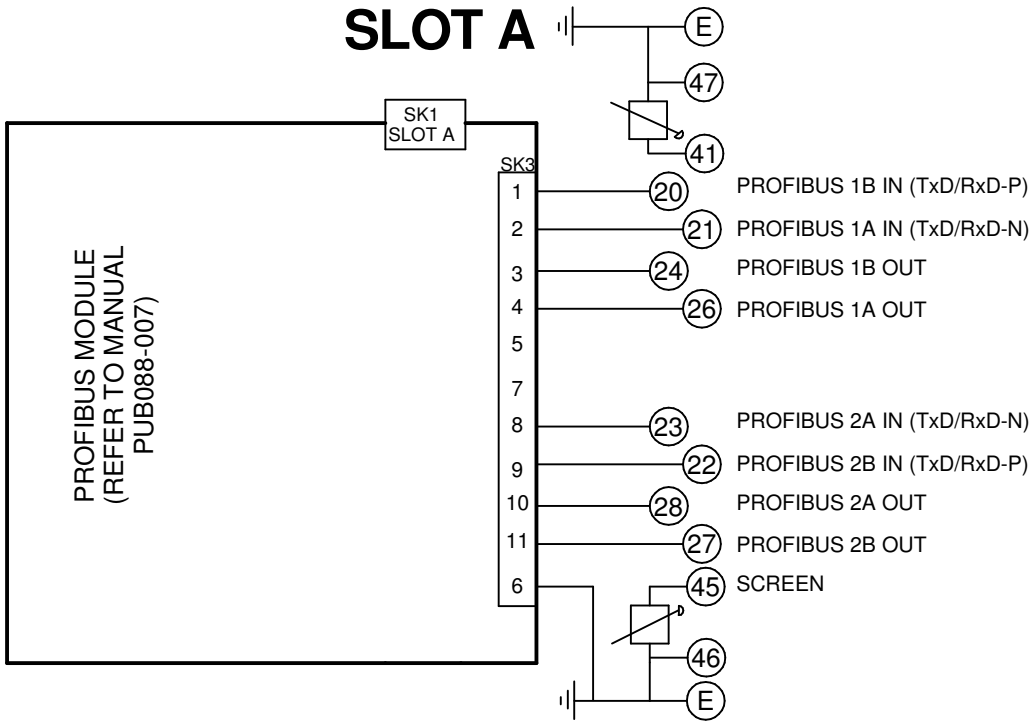
Drawn by: PMJ
Date : 070612
Base WD: 120P3000
Job No : - -
MI No : - -

Circuit Diagram Number
120P3000

Issue No
8

Sheet
1
of 2

B1|C1|B2|C2| | | | | | | |



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" $\geq 16\text{Vdc}$ / "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.