

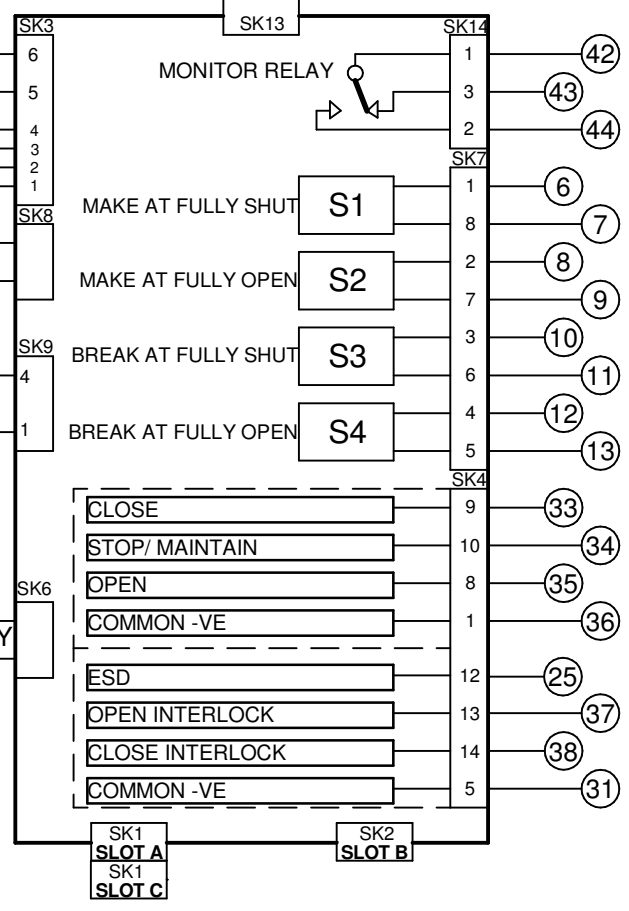
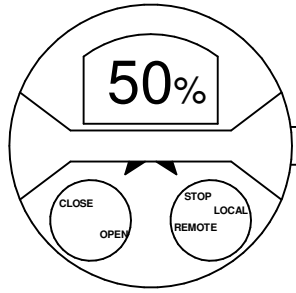
FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT  
**RWS100**

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	140618	JC1	FIRST ISSUE.
2	230718	PJW	PROFIBUS PUB SHT2 UPDATED WAS PUB008-005

**www.rotork.com**

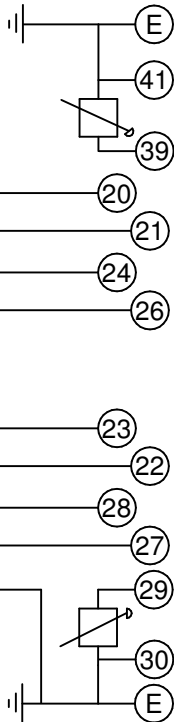
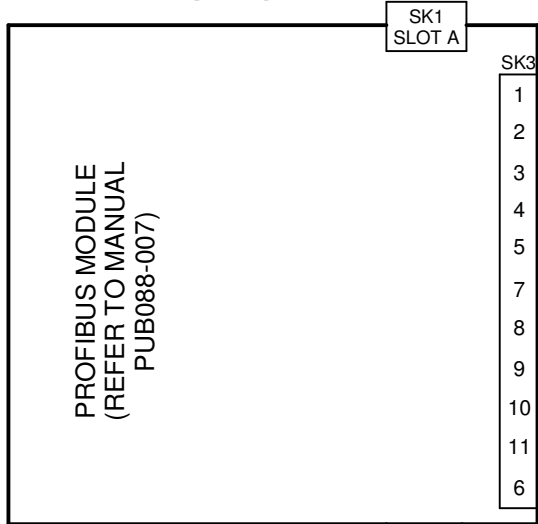
ROTORK CONTROLS LTD  
BATH, BA1 3JQ  
ENGLAND  
Tel:01225-733200

ROTORK CONTROLS INC  
ROCHESTER  
NY 14624, USA  
Tel:585-247-2304

IQ + DUAL PROFIBUS MODULE + AUX POWER + EXTRA INDICATION S5-S8		Circuit Diagram Number <b>100P6010</b>	Issue No <b>2</b>	Sheet <b>1</b> of 2
Drawn by: PJW	Date : 140618			
Base WD: 100P6010	Job No : - -	B1 C1 B2 C2 B1 C1 M1 V1		
MI No : - -				

CIRCUIT DRAWN WITH POWER SUPPLY OFF

## SLOT A



THE SETTING TOOL ENABLES THE PROFIBUS ADDRESS TO BE CONFIGURED.

PROFIBUS 1B IN (TxD/RxD-P)

PROFIBUS 1A IN (TxD/RxD-N)

PROFIBUS 1B OUT

PROFIBUS 1A OUT

PROFIBUS 2A IN (TxD/RxD-N)

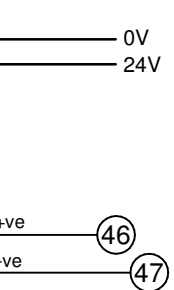
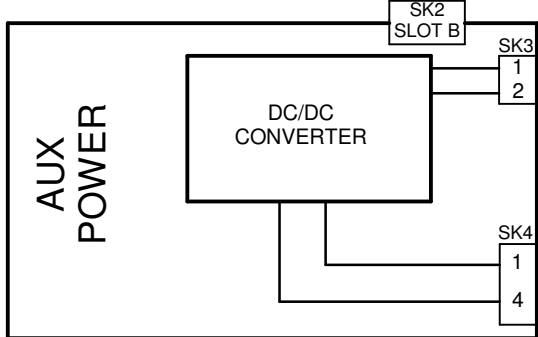
PROFIBUS 2B IN (TxD/RxD-P)

PROFIBUS 2A OUT

PROFIBUS 2B OUT

SCREEN

## SLOT B

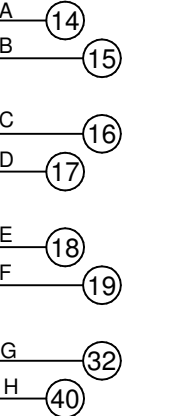
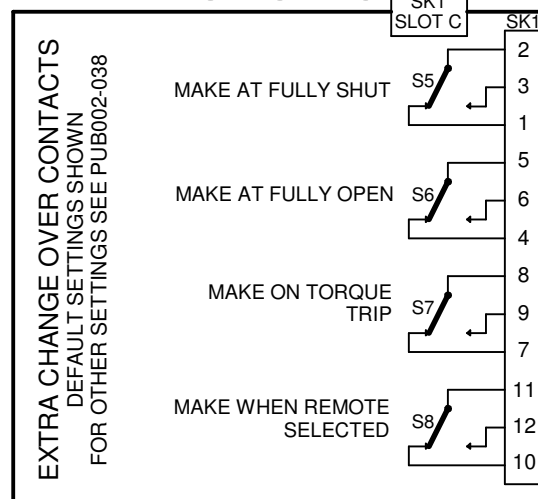


0V SUPPLY FROM SK14 ON POWER PCB

24V

EXTERNAL 17-34VDC CUSTOMER SUPPLY

## SLOT C



EXTRA CHANGE OVER CONTACTS  
DEFAULT SETTINGS SHOWN  
FOR OTHER SETTINGS SEE PUB002-038

MAKE AT FULLY SHUT

MAKE AT FULLY OPEN

MAKE ON TORQUE TRIP

MAKE WHEN REMOTE SELECTED

### 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
100P6010	2	2 of 2