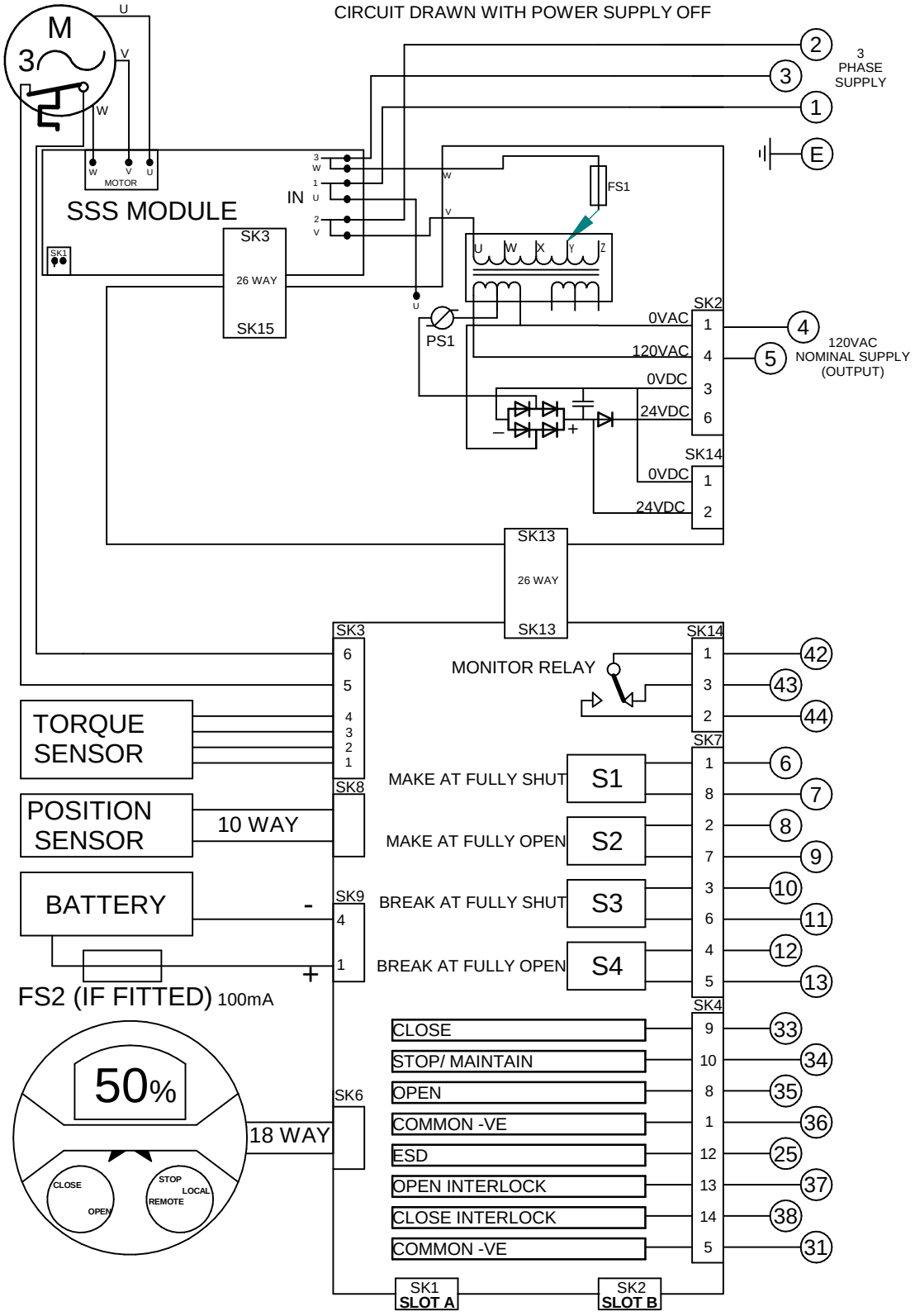

FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT
RWS101

TRANSFORMER TAPPING OPTIC	
Tap	Nominal 50/60
TYPE 1	
W	220/230
X	380/400
Y	400,415/420
Z	440/460
FUSE FS1=250mA ANTI-SUR	
TYPE 2	
W	346/380
X	480/500
Y	240/240
Z	550/575
FUSE FS1=250mA ANTI-SUR	

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

THE ACTUATOR MUST BE PROTECTED USING SUITABLY RATED HIGH SPEED SEMI-CONDUCTOR FUSES ON THE INCOMING SUPPLY.
SUGGESTED FUSES :-
IQ10-20:10 Amp FERRAZ G330010
IQ25-35:20 Amp FERRAZ K330013
ALTERNATIVES =
IQ10-20:10 Amp SIBA 50-179-06/10A
IQ25-35:20 Amp SIBA 50-179-06/20A
OR EQUIVALENT PROTECTIVE DEVICE.

Iss	Date	Chkd	Revision Details
1	271115	JC1	First Issue.
2	030816	PW	Updated notes on page 2 for modulating.

www.rotork.com

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ROTORK CONTROLS INC
ROCHESTER
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Tel:585-247-2304

IQM + 120VAC REMOTE CONTROL SUPPLY + EXTRA RELAYS S5-S8

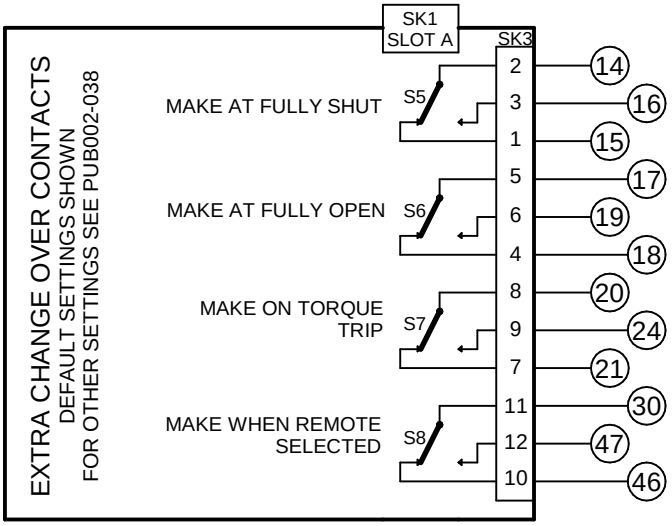
Drawn by: PJW
Date : 271115
Base WD: 210B0010
Job No : - -
MI No : - -

Circuit Diagram Number
210B0010
B1 C1 B2 C2 B1 C1 M1 V1

Issue No 2

Sheet 1 of 2

SLOT A



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 , connect –ve to terminal 36.
-(For negative switch / positive common, refer to RWS indicated).
-Control signal threshold voltages:
  -DC: “on” ≥16Vdc / “off” ≤8Vdc, max 60Vdc.
-Control signal duration to be 100ms minimum.
-Maximum current drawn from remote control signals is:
  -8mA at 24Vdc .
-Supply provided on terminals 4 & 5:
  -NOT Intended for remote control.
  -Max external load 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
210B0010	2	2 of 2