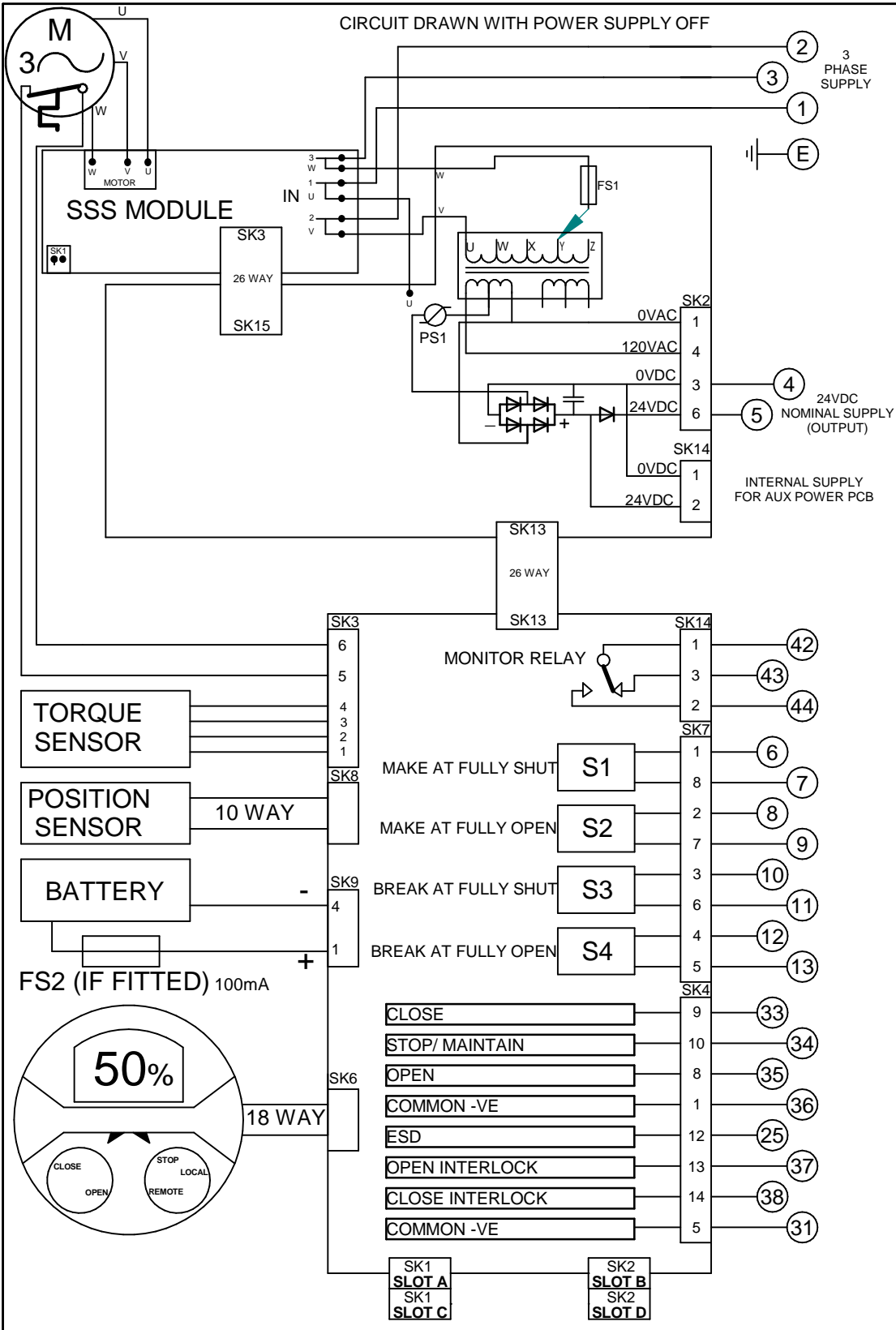


CIRCUIT DRAWN WITH POWER SUPPLY OFF

FOR TYPICAL REMOTE CONTROL  
DETAILS, SEE DOCUMENT  
**RWS102**

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	



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	050118	JC1	First Issue.

**www.rotork.com**

ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304
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**IQM + FOLOMATIC + EXT PWR CPT + AUX POWER  
+ EXTRA RELAYS S5-S8 + RHS**

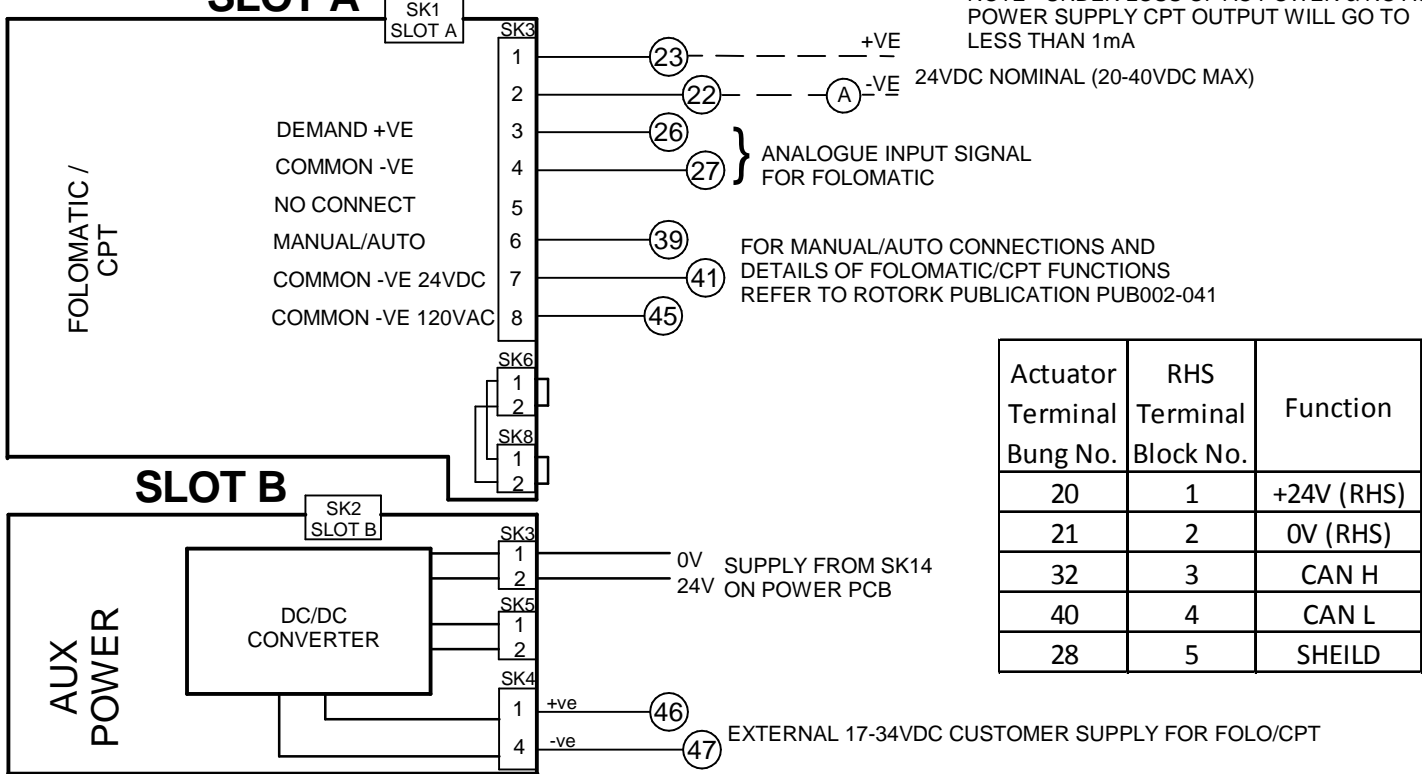
Drawn by: PJW Date : 050118 Base WD: 207B1016 Job No : -- MI No : --	Circuit Diagram Number <b>207B1016</b>	Issue No <b>1</b> Sheet <b>1</b> of 2
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B1	C1	B2	C2	B1	C1	M1	V1		
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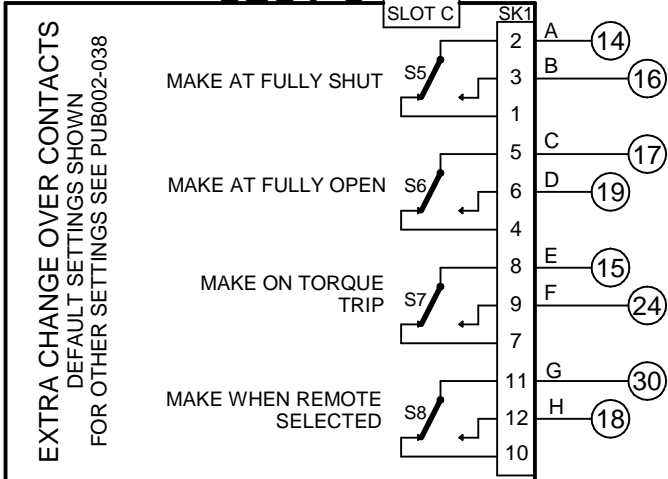
# SLOT A

CIRCUIT DRAWN WITH POWER SUPPLY OFF

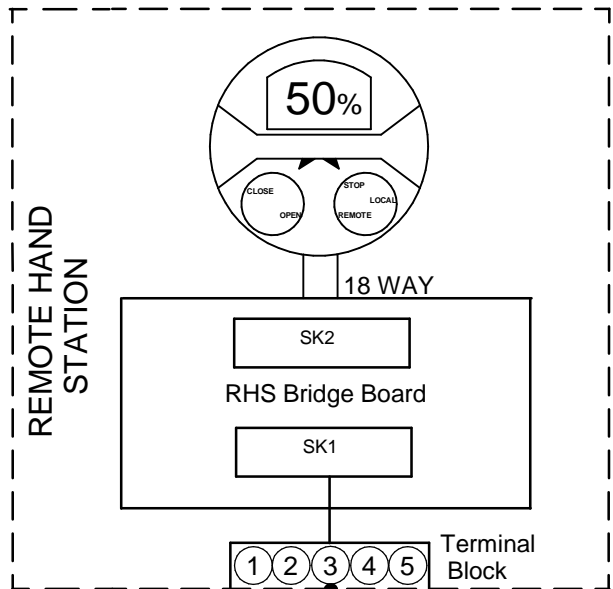
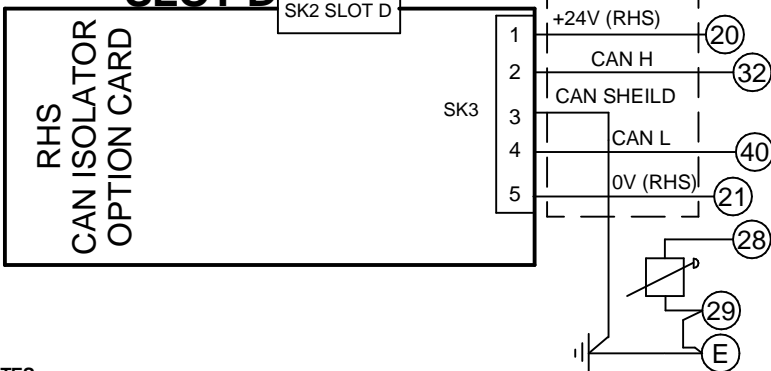
NOTE - UNDER LOSS OF AC POWER & NO AUX POWER SUPPLY CPT OUTPUT WILL GO TO LESS THAN 1mA



# SLOT C



# SLOT D



RHS CABLE IS CUSTOMER SUPPLIED, FOR SPECIFICATION SEE PUB002-059, MAXIMUM LENGTH OF CABLE TO BE 100m.

### NOTES

- 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.
- REMOTE CONTROL:**
  - For typical remote control circuits refer to: -RWS indicated or PUB002-041.
  - For DC control 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:
    - Intended for remote control.
    - Max external load 5W at 24Vdc

### 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
207B1016	1	2 of 2