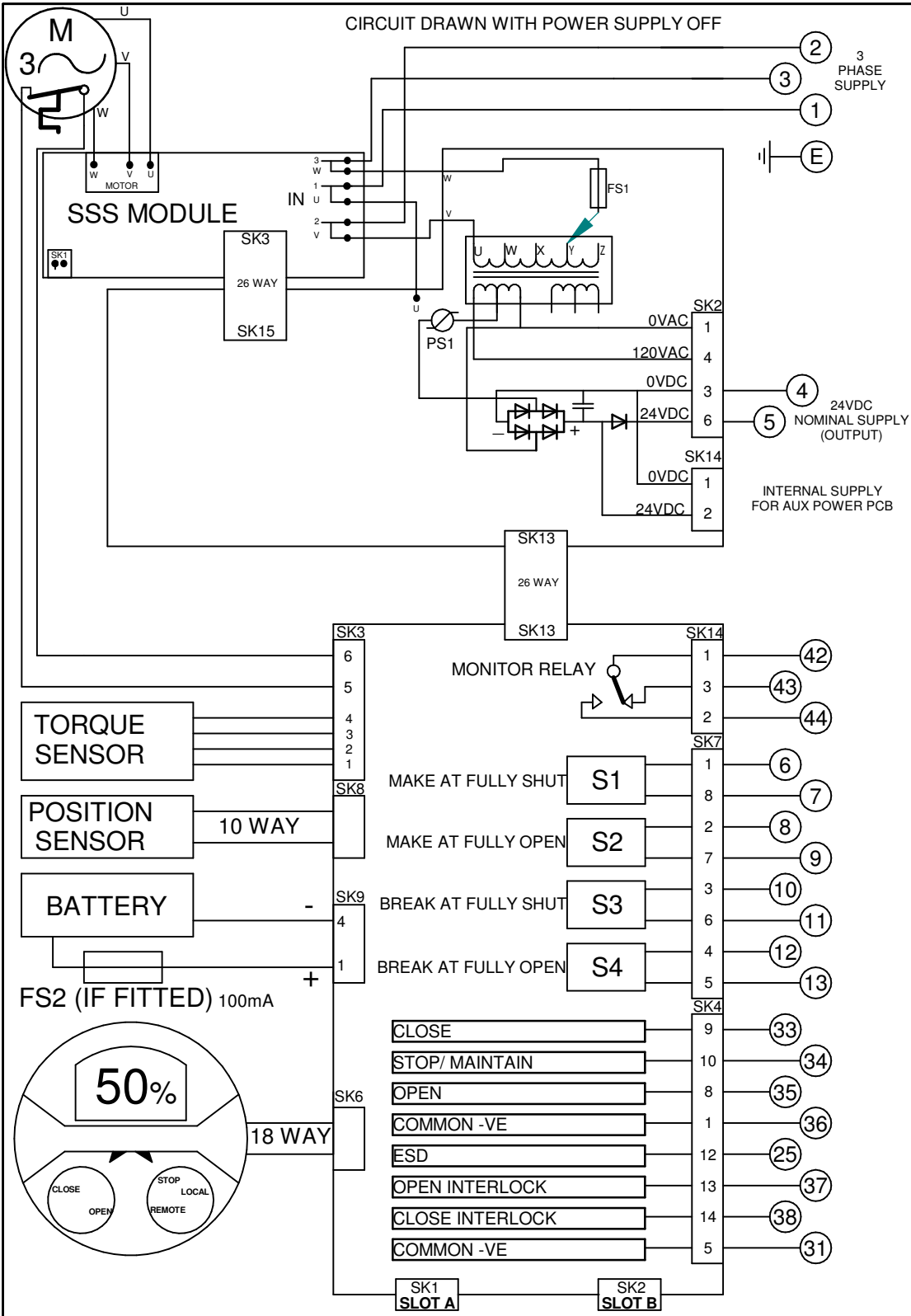


CIRCUIT DRAWN WITH POWER SUPPLY OFF

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



TRANSFORMER TAPPING OPTIC	
Tap	Nominal 50/60
TYPE 1	
W	220/230
X	380/400
Y	400,415/420
Z	440/460
TYPE 2	
W	346/380
X	480/500
Y	240/240
Z	550/575
FUSE FS 1=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 :-  
IQM10-20:10 Amp FERRAZ G330010  
IQM25-35:20 Amp FERRAZ K330013  
ALTERNATIVES =  
IQM10-20:10 Amp SIBA 50-179-06/10A  
IQM25-35:20 Amp SIBA 50-179-06/20A  
OR EQUIVALENT PROTECTIVE  
DEVICE.

Iss	Date	Chkd	Revision Details
1	311019	JC1	First Issue

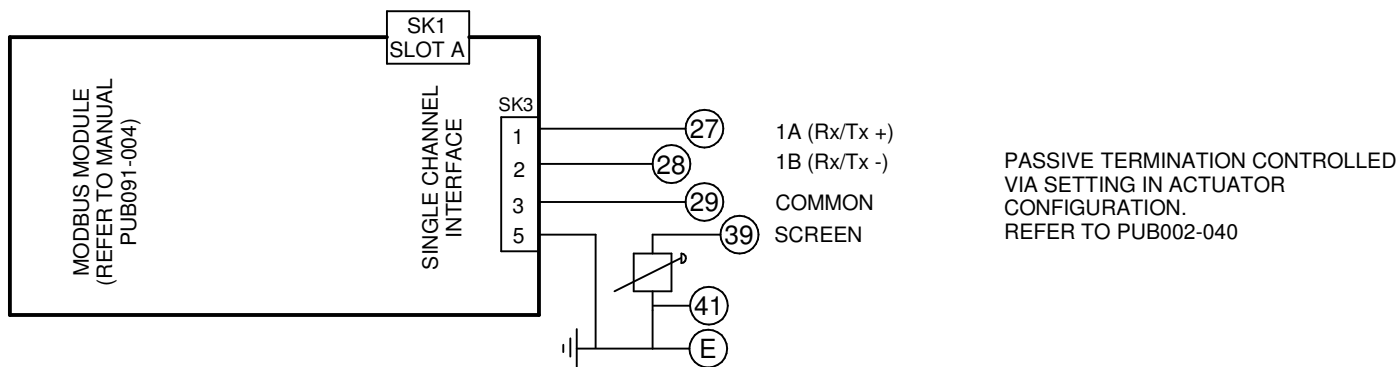
**www.rotork.com**

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 + SINGLE CHANEL MODBUS MODULE AUX  
POWERED.

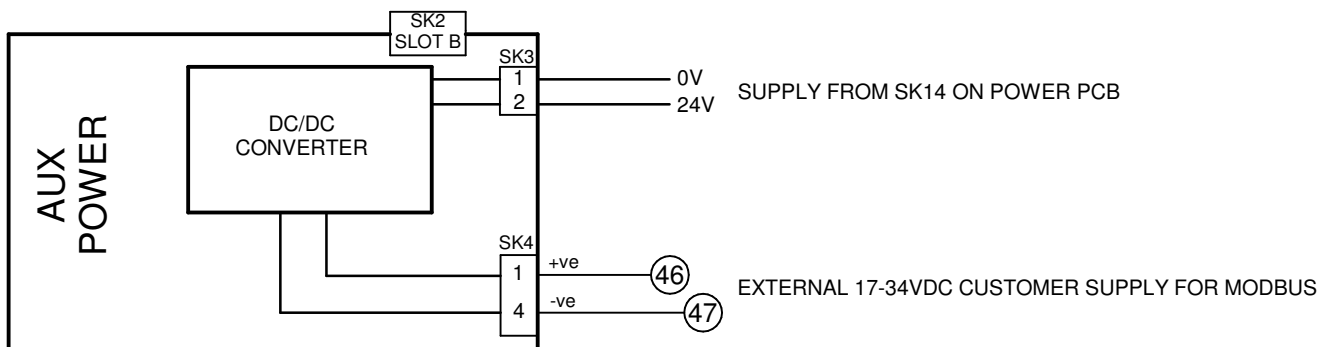
Drawn by: PJW Date : 311019 Base WD: 200M5000 Job No : - - MI No : - -	Circuit Diagram Number <b>200M5000</b>	Issue No <b>1</b>	Sheet <b>1</b> of 2
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## SLOT A



MODBUS RS485 SIGNAL LINES REQUIRE EXTERNAL ACTIVE BIASING TO BE PROVIDED AT ONE LOCATION FOR THE WHOLE BUS SEGMENT. REFER TO PUB091-004.

## SLOT B



### 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"  $\geq 16V_{dc}$  / "off"  $\leq 8V_{dc}$ , 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.