

FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS123**

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 :-

- 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	071020	JC1	First Issue

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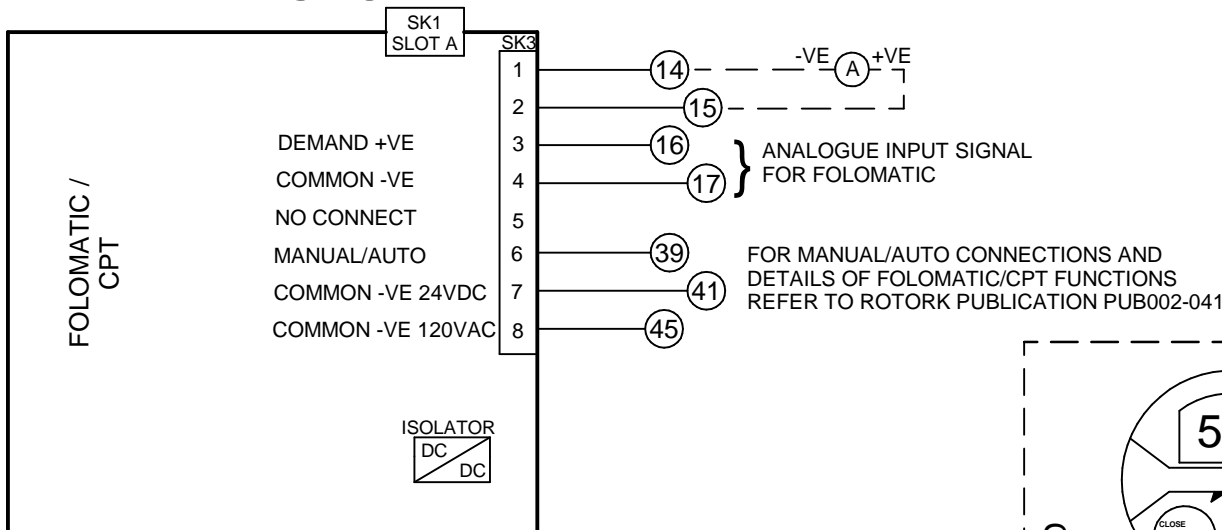
IQM + 120VAC CUSTOMER SUPPLY + SINGLE CHANNEL MODBUS + FOLOMATIC / CPT + RHS

Drawn by: PJW
Date : 071020
Base WD: 213M2006
Job No : --
MI No : --

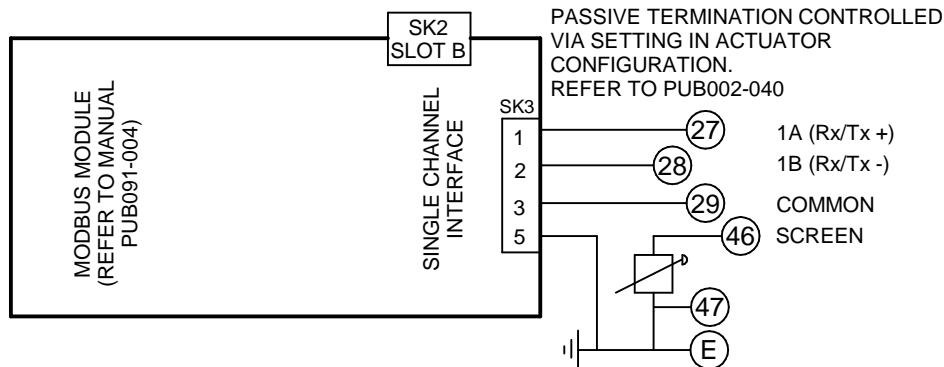
Circuit Diagram Number		Issue No	Sheet
213M2006		1	1
B1	C1	B2	C2

SLOT A

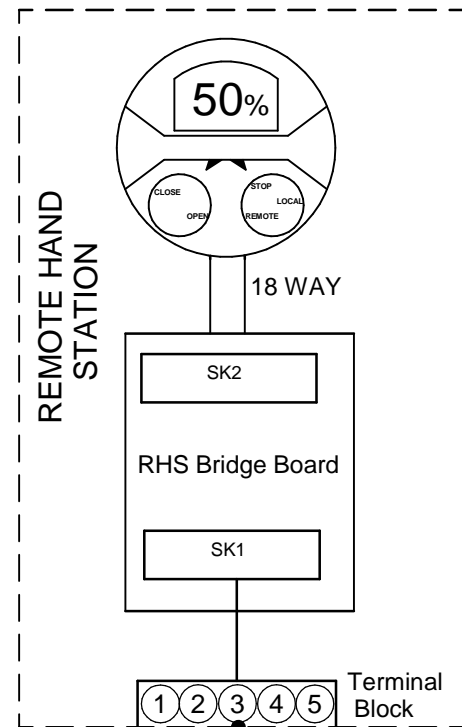
CIRCUIT DRAWN WITH POWER SUPPLY OFF



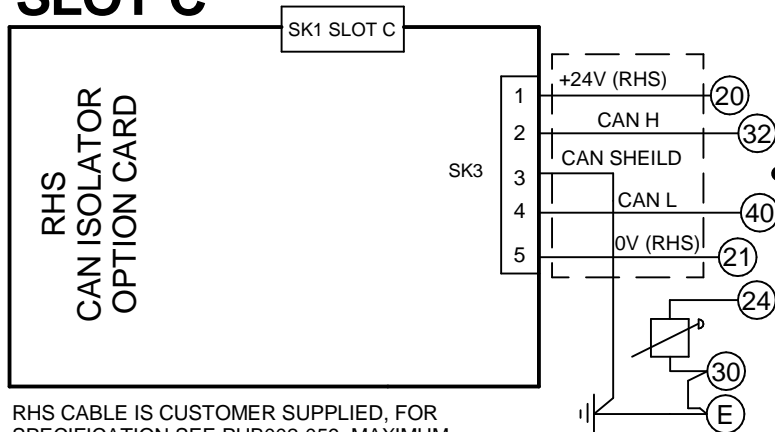
SLOT B



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



SLOT C



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

Actuator Terminal Bung No.	RHS Terminal Block No.	Function
20	1	+24V (RHS)
21	2	0V (RHS)
32	3	CAN H
40	4	CAN L
24	5	SHEILD

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 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:
 - 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

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