

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

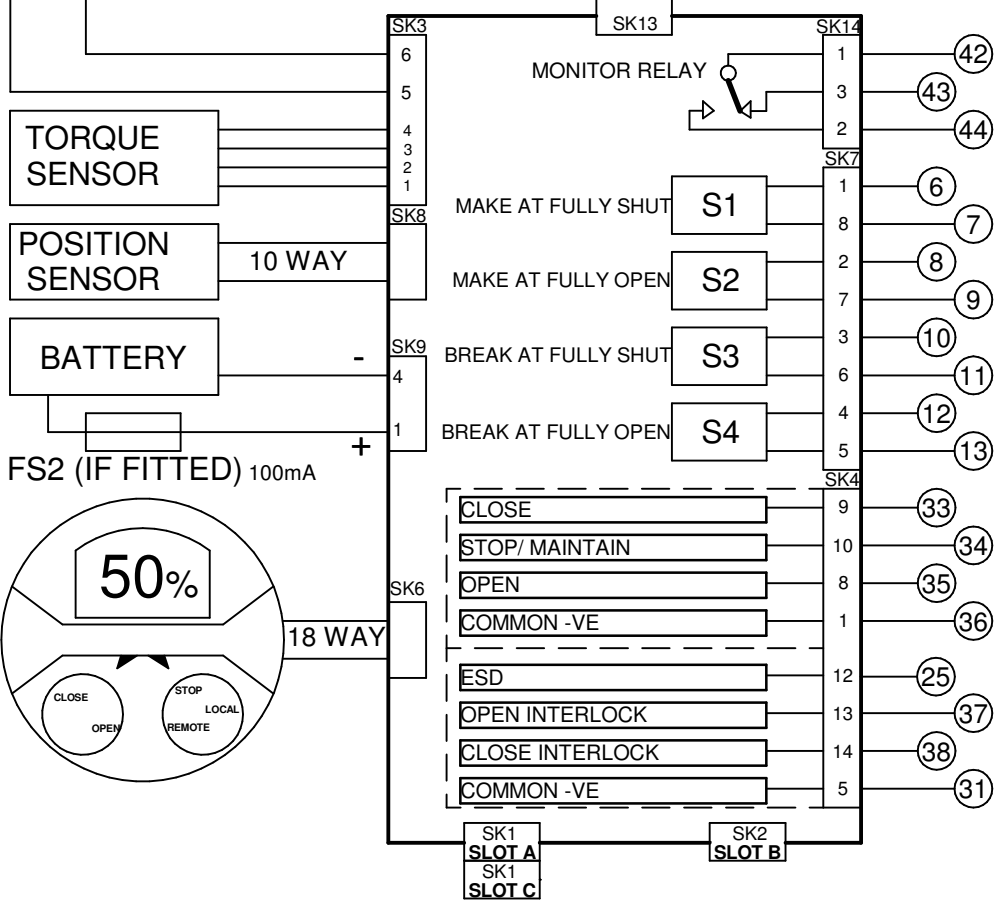
Tap	Nominal 50/60Hz VOLTAGE	FUSE FS1
LOW	115	500mA
HIGH	230	250mA

FUSE FS1 TO BE ANTI SURGE

CAPACITOR START/RUN (CS/CS2 AND CR/CR2) COMBINATIONS & VALUES

VARY WITH SUPPLY VOLTAGE & ACTUATOR SIZE.

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



Iss	Date	Chkd	Revision Details
1	031018	JC1	First Issue
2	081018	JC1	SK1 Slot C added to sht.1

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IQ SINGLE PHASE + SINGLE CHANNEL MODBUS MODULE + ANALOGUE MONITORING + RHS

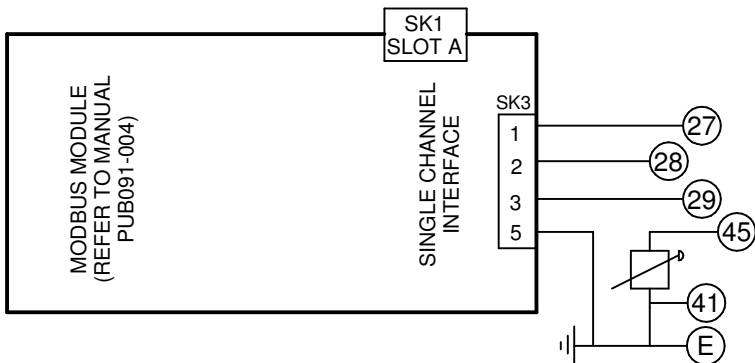
Drawn by: PJW
Date : 031018
Base WD: 124M2006
Job No : --
MI No : --

Circuit Diagram Number
124M2006

Issue No **2** Sheet **1** of 2

B1	C1	B2	C2						
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SLOT A

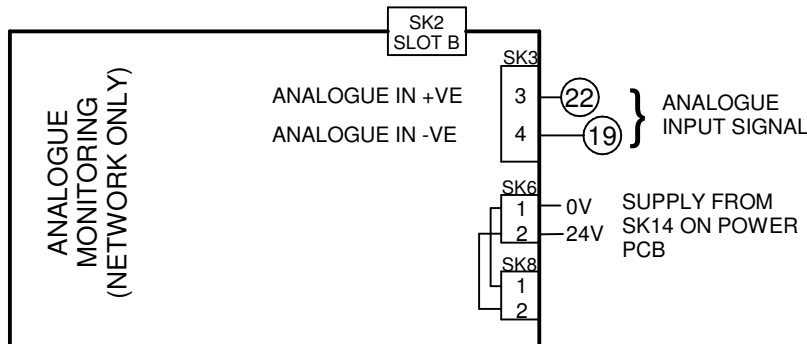


1A (Rx/Tx +)
1B (Rx/Tx -)
COMMON
SCREEN

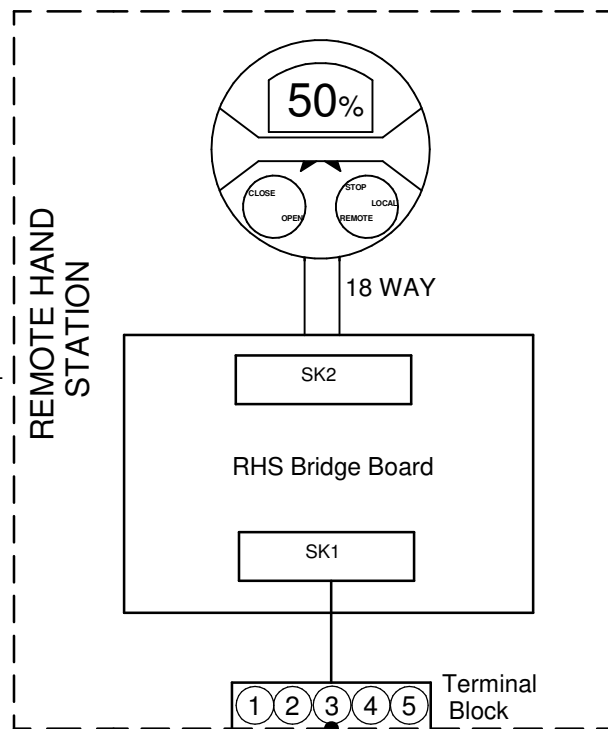
PASSIVE TERMINATION CONTROLLED VIA SETTING IN ACTUATOR CONFIGURATION. REFER TO PUB002-040

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

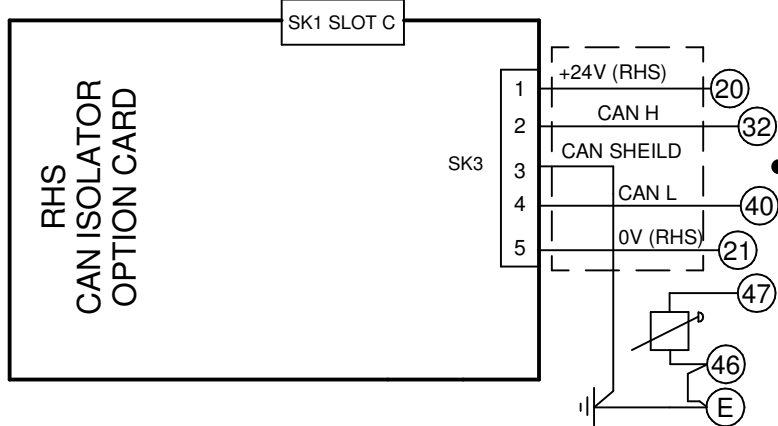
SLOT B



REMOTE HAND STATION



SLOT C



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
47	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 and AC control, connect -ve/0V to terminal 36.
- (For negative switch / positive common, refer to RWS indicated).
- Control signal threshold voltages:
 - DC: "on" ≥16Vdc / "off" ≤8Vdc, max 60Vdc.
 - AC: "on" ≥60Vac / "off" ≤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.