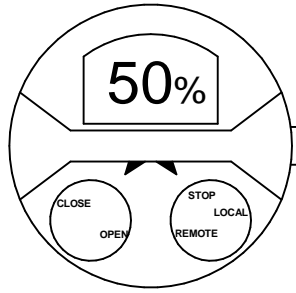


FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS122**

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	
TYPE 3	
X	660/660-690
Y	690/-
FUSE FS 1=150mA ANTI-SURGE	

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



Iss	Date	Chkd	Revision Details
4	160614	MR	400v added to type 1 tapping Y. Note added to sheet 2 note 1.
5	160915	VGB	PUB091-004 was PUB091-003 and Switch position changed
6	270116	TH	Updated modbus note

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ROTORK CONTROLS INC
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Tel:585-247-2304

IQ + SINGLE CHANNEL MODBUS MODULE + FOLOMATIC / CPT.

Drawn by: PMJ
Date : 281112
Base WD: 103M2000
Job No : --
MI No : --

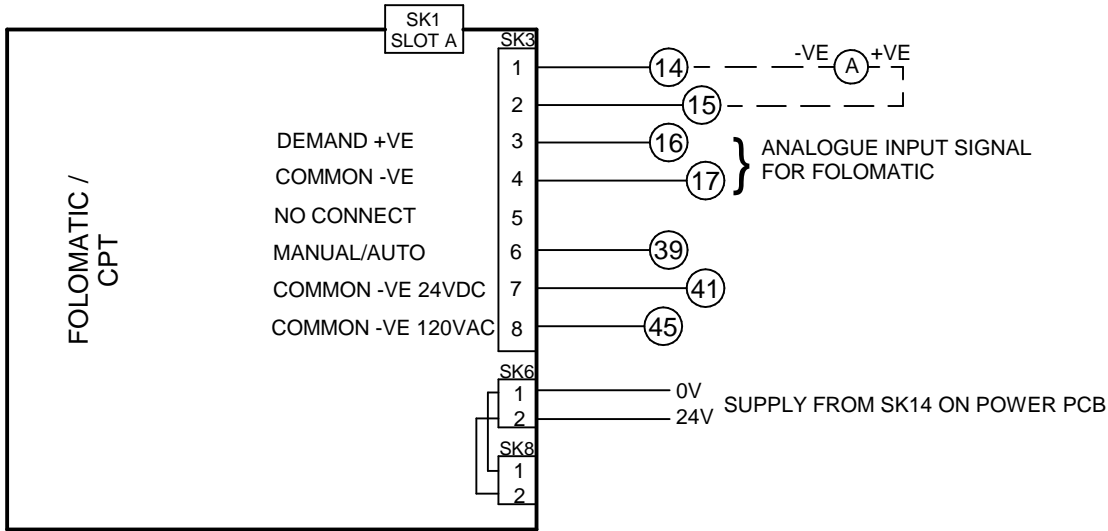
Circuit Diagram Number
103M2000

Issue No
6

Sheet
1
of 2

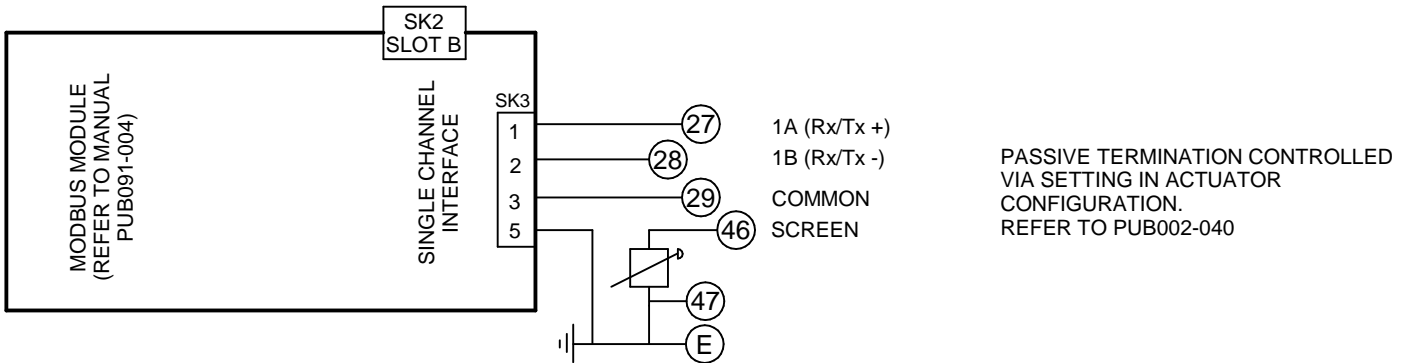
B1 C1 B2 C2

SLOT A



FOR MANUAL/AUTO CONNECTIONS AND
DETAILS OF FOLOMATIC/CPT FUNCTIONS
REFER TO ROTORK PUBLICATION PUB002-041

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

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 PUBLICATION PUB002-041. FOR DC AND AC CONTROL CONNECT -VE/0V TO TERMINAL 36 (FOR NEGATIVE SWITCH / +VE COMMON WIRING DIAGRAMS, REFER TO RWS INDICATED). DC CONTROL SIGNAL THRESHOLD VOLTAGES - "ON" $\geq 16VDC$ / "OFF" $\leq 8VDC$. AC CONTROL SIGNAL THRESHOLD VOLTAGES - "ON" $\geq 60VAC$ / "OFF" $\leq 40VAC$. 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 IS INTENDED FOR REMOTE CONTROL. MAX EXTERNAL LOAD ON TERMINALS 4 & 5 IS 5W AT 24VDC / 5VA AT 120VAC.

- INDICATION:** FOR TYPICAL, POSITION, STATUS AND ALARM INDICATION SEE PUBLICATION 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 150V. MAX SWITCHES CURRENT NOT TO EXCEED 3.5A INDUCTIVE, 5A RESISTIVE.
- BATTERY:** BATTERY MAINTAINS LOCAL AND REMOTE "S" CONTACT INDICATION ONLY. REFER TO INSTALLATION MANUAL FOR APPROVED REPLACEMENT BATTERY TYPES.