

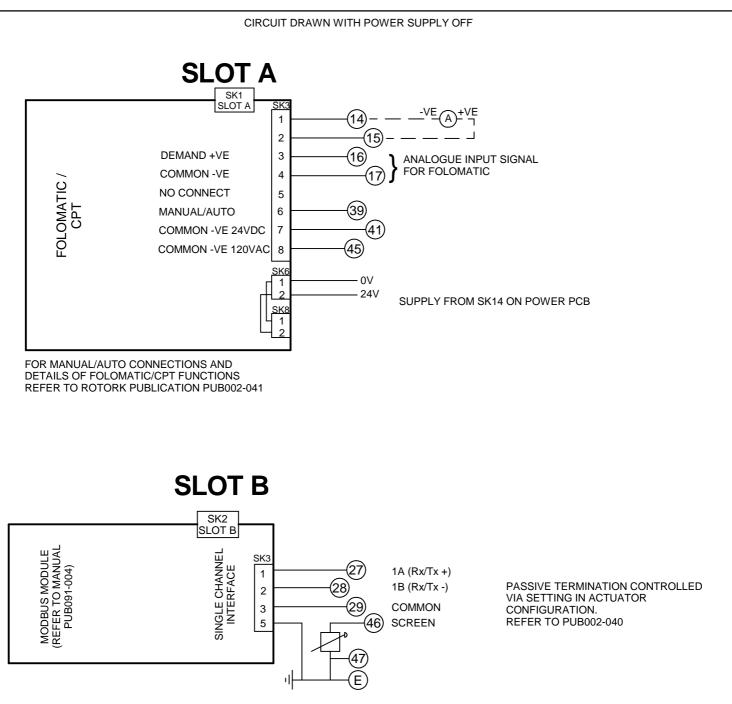
## FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT RWS122

TRANSFORMER TAPPING OPTIONS					
Тар	Nominal 50/60Hz				
TYPE 1					
W	220/230				
Х	380/400				
Y	400,415/420				
Z	440/460				
FUSE FS1=250mA ANTI-SURGE					
TYPE 2					
W	346/380				
Х	480/500				
Y	240/240				
Z	550/575				
FUSE FS1=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 FUESES :-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.

- 11	<u>ss</u> <u>Date</u> 3 230614	Revision Details 400v added to type 1 tapping Y. Note added to	www. <b>rot</b>	O <b>rk</b> .com	IQM + SINGLE CPT	CHANNEL MODBUS + FOLON	/ATIC /
	4 160915	sheet 2 note 1. PUB091-004 was PUB091-003. Updated modbus note	ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND	ROTORK CONTROLS INC ROCHESTER NY 14624, USA	Drawn by: PJW Date : 080313 Base WD: 203M2000	Circuit Diagram Number	No She
	6 130616	 Updated notes on page 2.	Tel:01225-733200	Tel:585-247-2304	Job No : MI No :	B1C1B2C2	<b>U</b> of



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

# 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.
- -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

IQ3