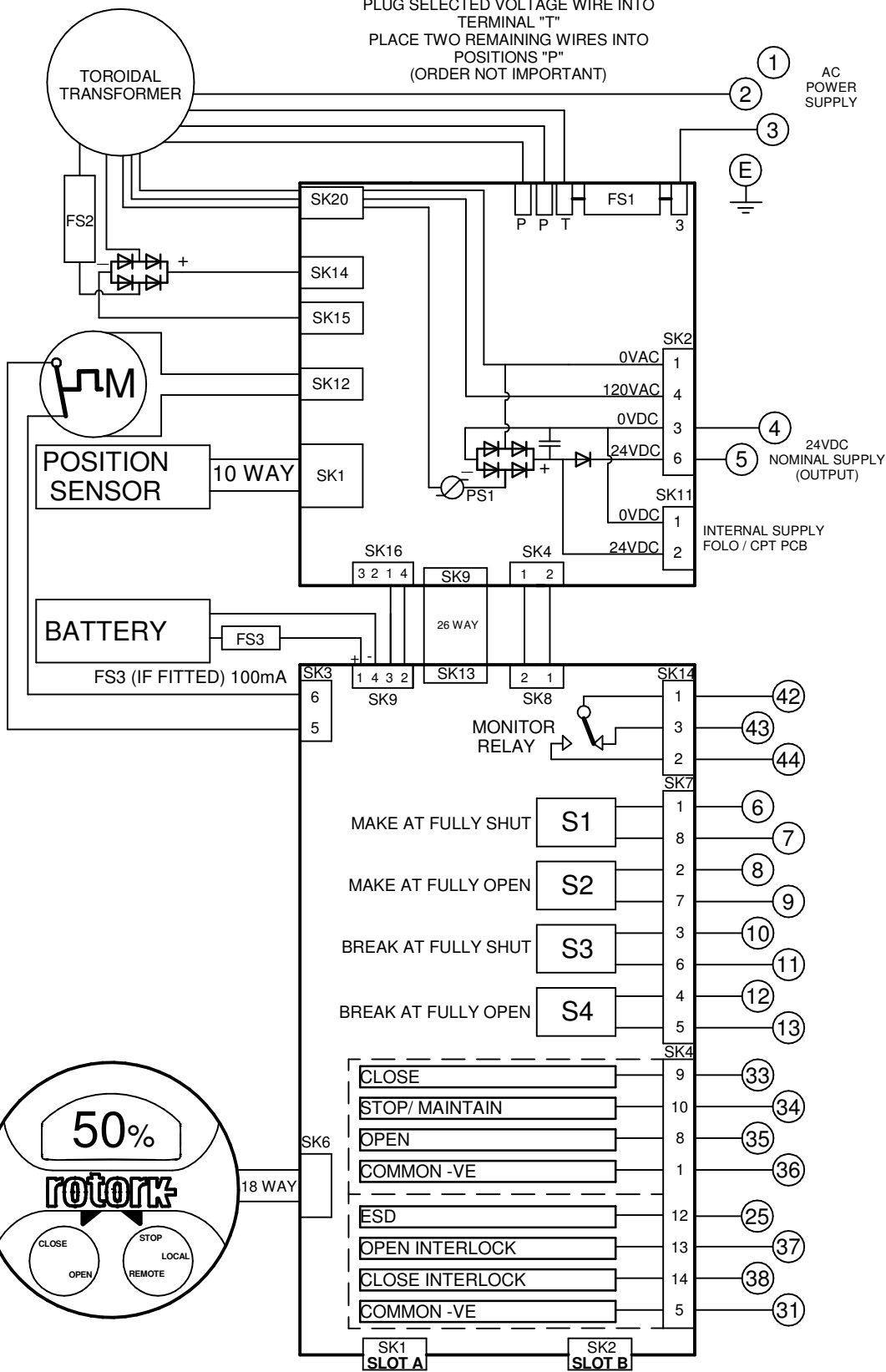


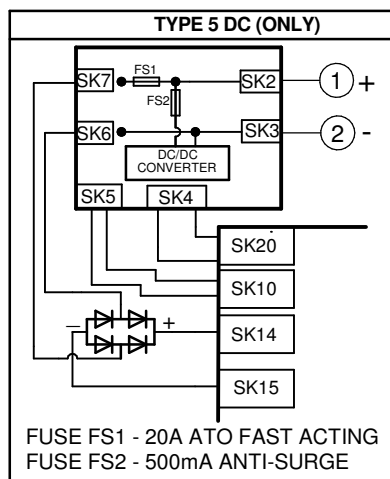
PLUG SELECTED VOLTAGE WIRE INTO  
TERMINAL "T"  
PLACE TWO REMAINING WIRES INTO  
POSITIONS "P"  
(ORDER NOT IMPORTANT)



TRANSFORMER VOLTAGE OPTIONS:  
CONNECT CORRESPONDING  
COLOUR TO "T"

| TYPE 1 |      |                         |
|--------|------|-------------------------|
| GREY   | 100V | FS1 - 5A<br>ANTISURGE   |
| PURPLE | 110V |                         |
| BROWN  | 120V |                         |
| TYPE 2 |      |                         |
| GREY   | 200V | FS1 - 2.5A<br>ANTISURGE |
| PURPLE | 230V |                         |
| BROWN  | 270V |                         |
| TYPE 3 |      |                         |
| GREY   | 380V | FS1 - 2.0A<br>ANTISURGE |
| PURPLE | 400V |                         |
| BROWN  | 415V |                         |
| TYPE 4 |      |                         |
| GREY   | 480V | FS1 - 2.0A<br>ANTISURGE |
| PURPLE | 575V |                         |
| BROWN  | 690V |                         |

FS2 - 20A ATO FAST ACTING ALL TYPES



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

| Iss | Date   | Chkd | Revision Details         |
|-----|--------|------|--------------------------|
| 1   | 040416 | JC1  | FIRST ISSUE              |
| 2   | 130616 | PW   | Updated notes on page 2. |
| 3   | 050719 | PMJ  | PUB002-065 WAS -039      |

**www.rotork.com**

|   |   |
|---|---|
| ROTORK CONTROLS LTD<br>BATH, BA1 3JQ<br>ENGLAND<br>Tel:01225-733200 | ROTORK CONTROLS INC<br>ROCHESTER<br>NY 14624, USA<br>Tel:585-247-2304 |
|---|---|

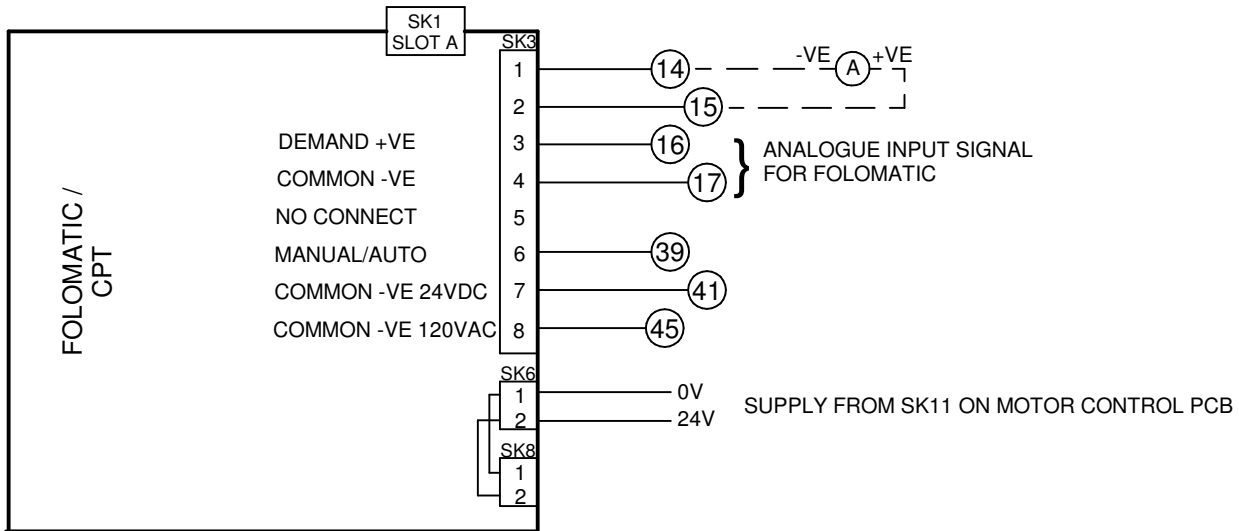
**IQTM + SINGLE CHANNEL MODBUS MODULE + FOLOMATIC + CPT**

Drawn by: PJW  
Date : 060815  
Base WD: 403M2000  
Job No : - -  
MI No : - -

|                        |    |          |          |
|------------------------|----|----------|----------|
| Circuit Diagram Number |    | Issue No | Sheet    |
| <b>403M2000</b>        |    | <b>3</b> | <b>1</b> |
| B1                     | C1 | B2       | C2       |

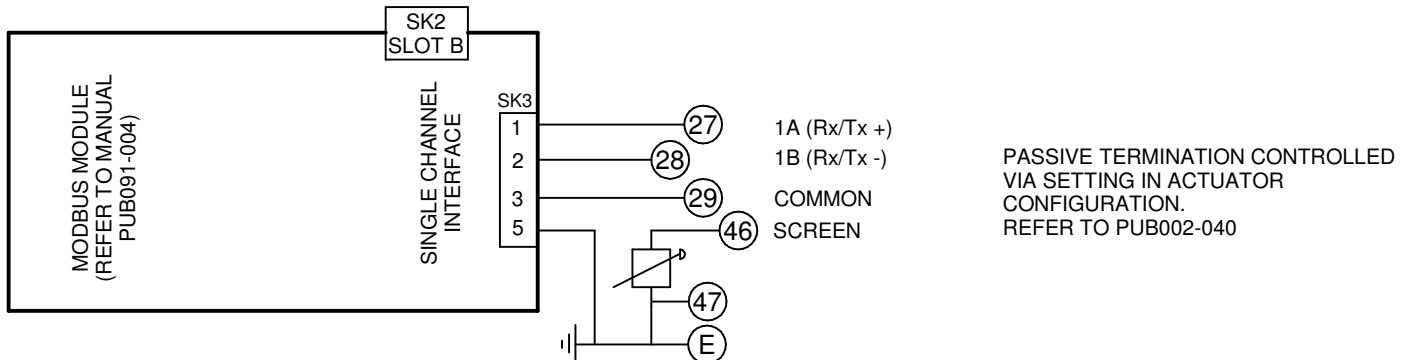
1 of 2

# 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

### 1.FUSES:

- PS1 is a self-resetting fuse.
- Refer to publication PUB002-065 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:
  - 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.