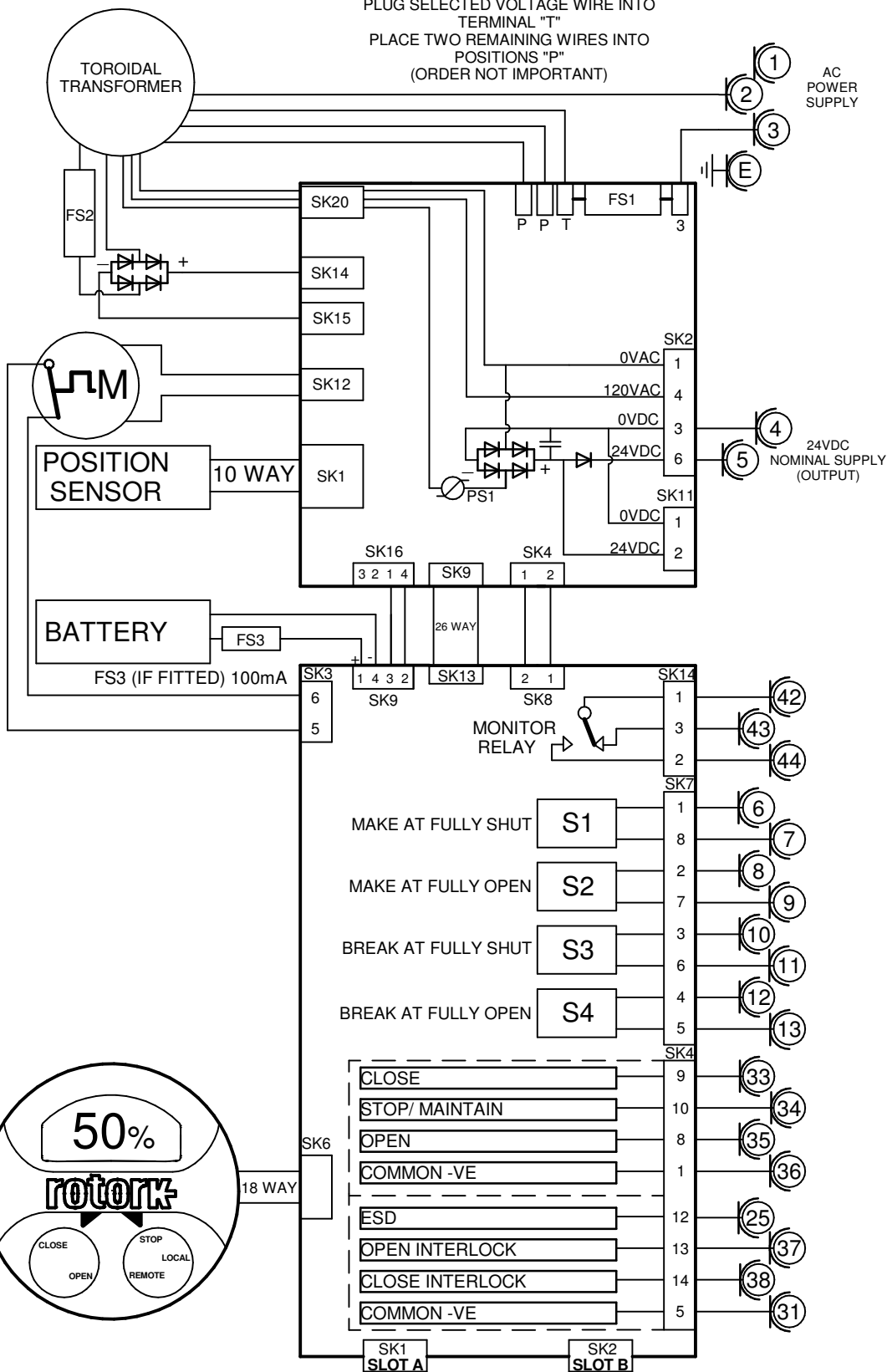


CIRCUIT DRAWN WITH POWER SUPPLY OFF

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

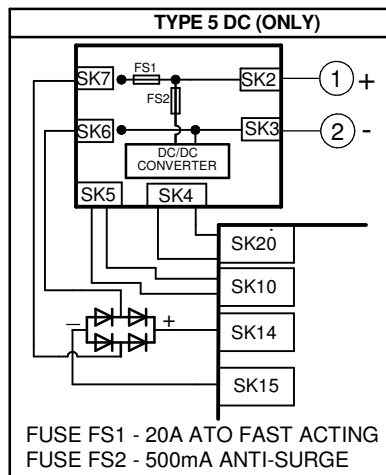
PLUG SELECTED VOLTAGE WIRE INTO  
TERMINAL "T"  
PLACE TWO REMAINING WIRES INTO  
POSITIONS "P"  
(ORDER NOT IMPORTANT)



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

PLUG & SOCKET CONNECTION

| Iss | Date   | Chkd | Revision Details |
|-----|--------|------|------------------|
| 1   | 200921 | JC1  | FIRST ISSUE      |

[www.rotork.com](http://www.rotork.com)

ROTORK CONTROLS LTD  
BATH, BA1 3JQ  
ENGLAND  
Tel:01225-733200

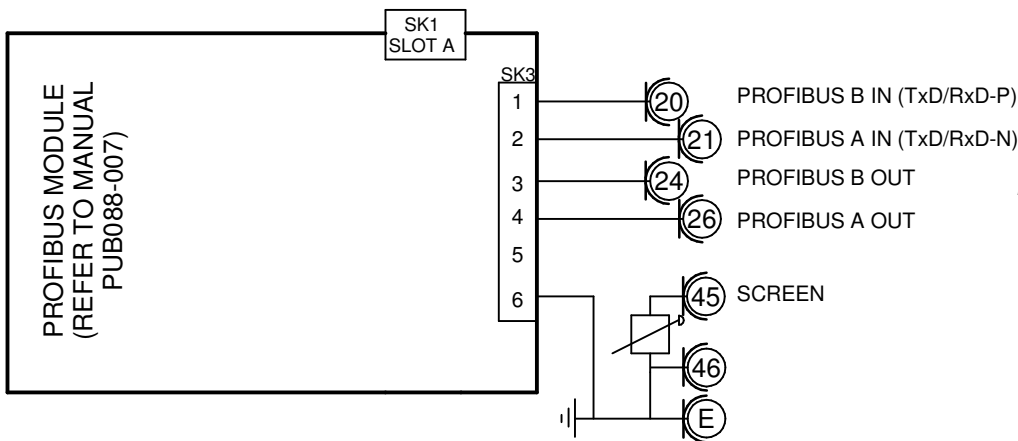
ROTORK CONTROLS INC  
ROCHESTER  
NY 14624, USA  
Tel:585-247-2304

IQT + SINGLE CHANNEL PROFIBUS MODULE +  
PLUG & SOCKET

Drawn by: PJW  
Date : 200921  
Base WD: 300P2002  
Job No : --  
MI No : --

|                        |    |          |       |
|------------------------|----|----------|-------|
| Circuit Diagram Number |    | Issue No | Sheet |
| 300P2002               |    | 1        | 1     |
| B1                     | C1 | B2       | C2    |

# SLOT A



**REMOVAL OF THE PLUG & SOCKET  
WILL BREAK THE PROFIBUS NETWORK.**

THE SETTING TOOL ENABLES THE PROFIBUS ADDRESS TO BE CONFIGURED.

## 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 and AC control, connect -ve/0V to terminal 36.
- (For negative switch / positive common, refer to RWS indicated).
- Control signal threshold voltages:
  - DC: "on"  $\geq 16\text{Vdc}$  / "off"  $\leq 8\text{Vdc}$ , max 60Vdc.
  - AC: "on"  $\geq 60\text{Vac}$  / "off"  $\leq 40\text{Vac}$ , 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.