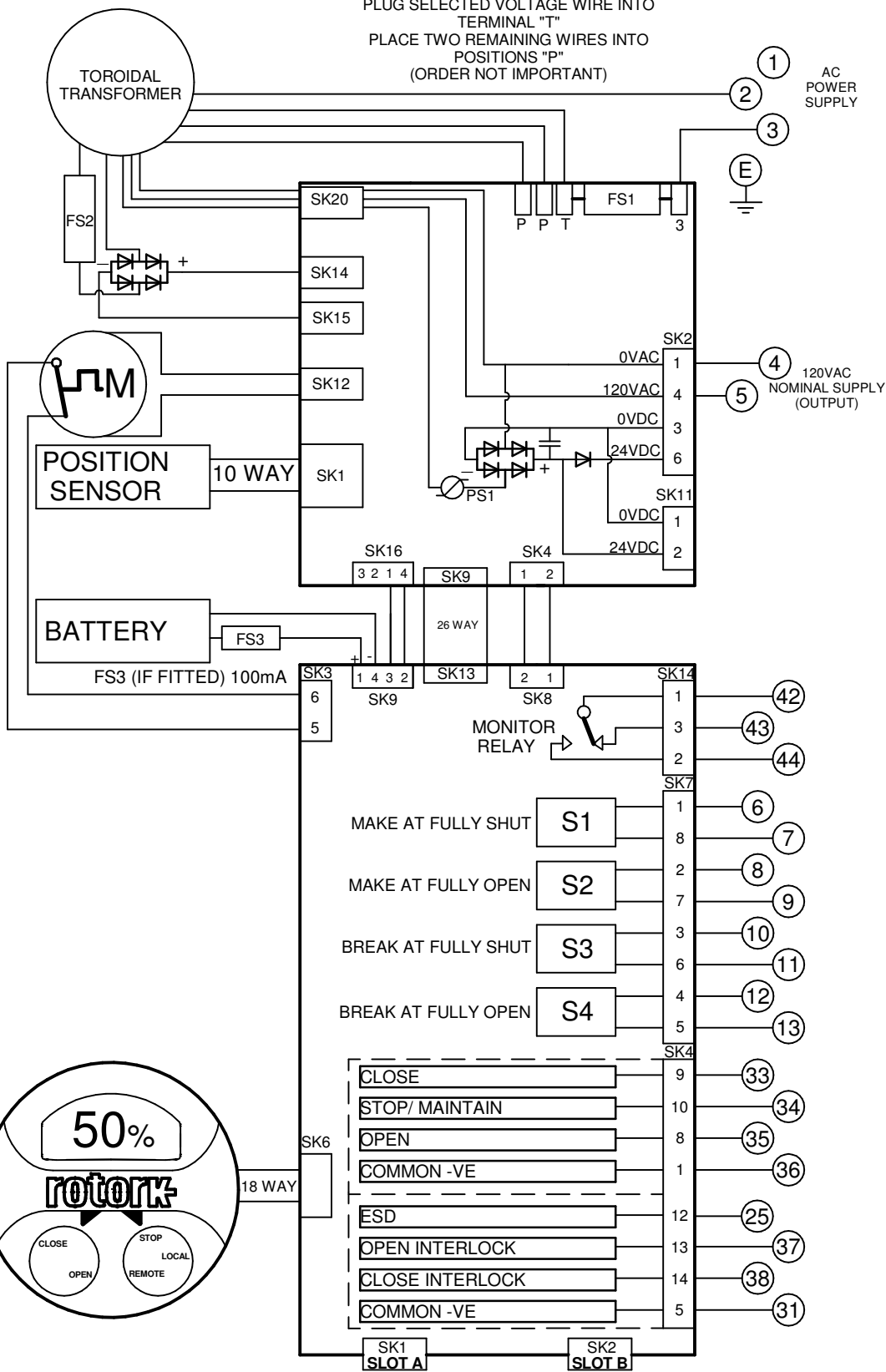


PLUG SELECTED VOLTAGE WIRE INTO
TERMINAL "T"
PLACE TWO REMAINING WIRES INTO
POSITIONS "P"
(ORDER NOT IMPORTANT)



TRANSFORMER VOLTAGE OPTIONS:
CONNECT CORRESPONDING
COLOUR TO "T"

TYPE 1		
GREY	100V	FS1 - 5A ANTISURGE
PURPLE	110V	
BROWN	120V	
TYPE 2		
GREY	200V	FS1 - 2.5A ANTISURGE
PURPLE	230V	
BROWN	270V	
TYPE 3		
GREY	380V	FS1 - 2.0A ANTISURGE
PURPLE	400V	
BROWN	415V	
TYPE 4		
GREY	480V	FS1 - 2.0A 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	160420	JC1	FIRST ISSUE

www.rotork.com

IQTM + DUAL CHANNEL MODBUS MODULE &
120VAC CUSTOMER SUPPLY

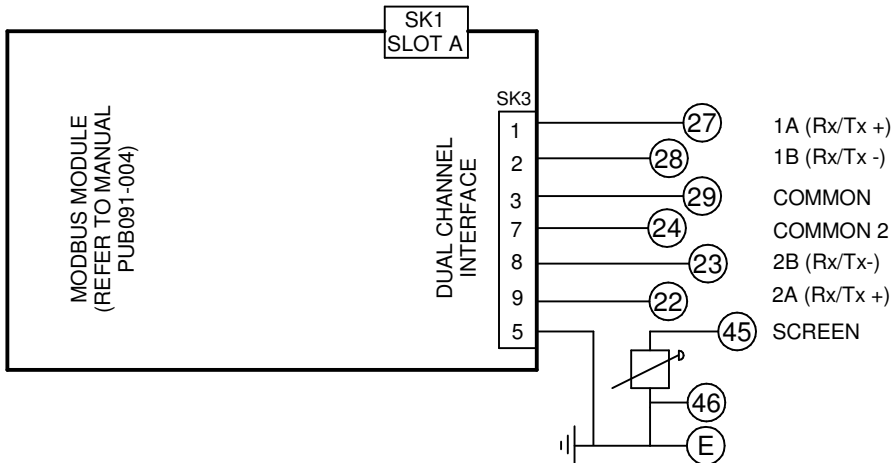
ROTORK CONTROLS LTD
BATH, BA1 3JQ
ENGLAND
Tel:01225-733200

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

Drawn by: PJW
Date : 160420
Base WD: 410M3000
Job No : --
MI No : --

Circuit Diagram Number		Issue No	Sheet
410M3000		1	1
B1	C1	B2	C2

SLOT A



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.

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" $\geq 16Vdc$ / "off" $\leq 8Vdc$, 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:
 - NOT Intended for remote control.
 - Max external load 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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
410M3000	1	2 of 2