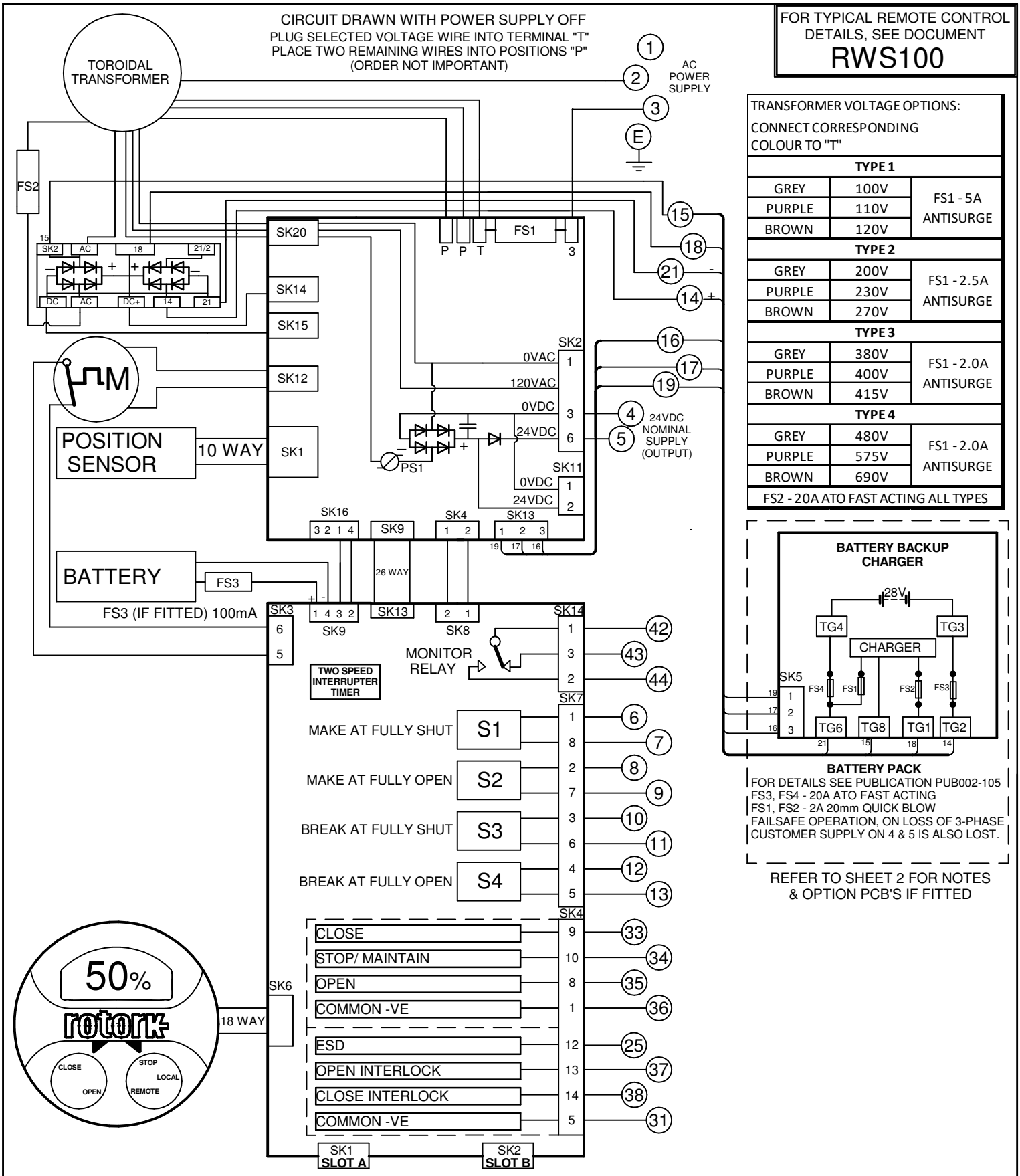
CIRCUIT DRAWN WITH POWER SUPPLY OFF

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

FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT
RWS100



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		

BATTERY PACK
FOR DETAILS SEE PUBLICATION PUB002-105
FS3, FS4 - 20A ATO FAST ACTING
FS1, FS2 - 2A 20mm QUICK BLOW
FAILSAFE OPERATION, ON LOSS OF 3-PHASE CUSTOMER SUPPLY ON 4 & 5 IS ALSO LOST.

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

Iss	Date	Chkd	Revision Details
1	110719	JC1	First Issue.

www.rotork.com

IQT FAILSAFE BATTERY BACKUP + SINGLE CHANNEL MODBUSE MODULE + TIMER

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

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

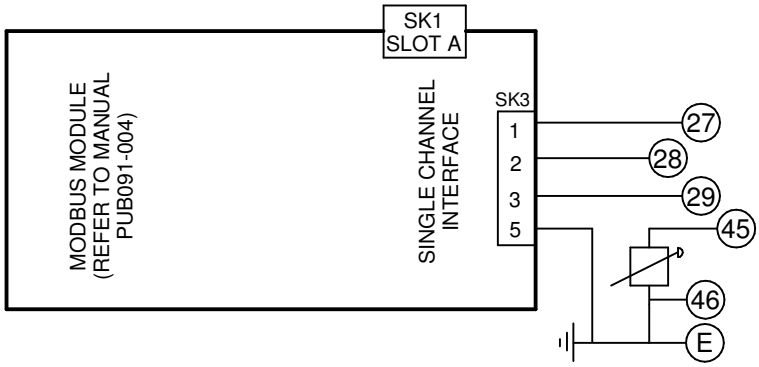
Drawn by: PJW
Date : 110719
Base WD: 390M2001
Job No : - -
MI No : - -

Circuit Diagram Number: 390M2001
Issue No: 1
Sheet: 1 of 2

B1 C1 B2 C2

CIRCUIT DRAWN WITH POWER SUPPLY OFF

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 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.
  -AC: “on” ≥60Vac / “off” ≤40Vac, 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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
390M2001	1	2 of 2