

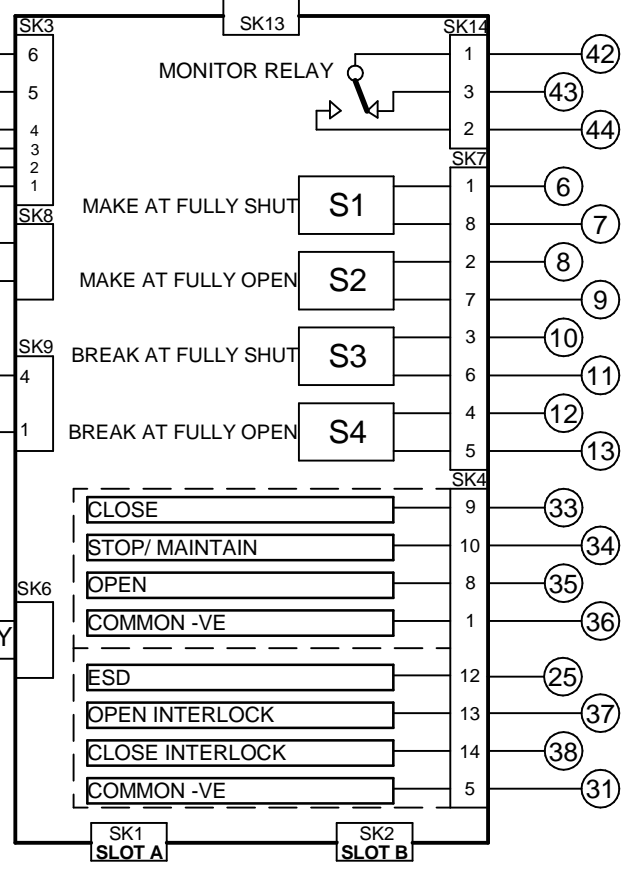
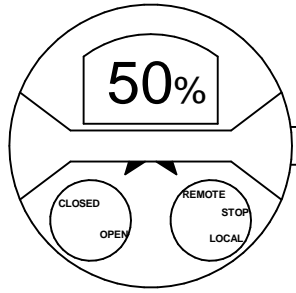
FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS100**

TRANSFORMER TAPPING OPTIONS	
Tap	Nominal 50/60Hz
TYPE 1	
W	220/230
X	380/400
Y	400,415/420
Z	440/460
FUZE FS1=250mA ANTI-SURGE	
TYPE 2	
W	346/380
X	480/500
Y	240/240
Z	550/575
FUZE FS1=250mA ANTI-SURGE	
TYPE 3	
X	660/660-690
Y	690/-
FUZE FS1=150mA ANTI-SURGE	

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



FS2 (IF FITTED) 100mA



Iss	Date	Chkd	Revision Details	www.rotork.com	IQ BASIC DIAGRAM
5	090113	PMJ	Re-track of the 24V DC pin of SK14 to behind the diode.		
6	060614	PMJ	400v added to type 1 tapping Y. Note added to sheet 2 note 1.	ROTORK CONTROLS LTD BATH, BA1 3JQ ENGLAND Tel:01225-733200	ROTORK CONTROLS INC ROCHESTER NY 14624, USA Tel:585-247-2304
				Drawn by: PMJ Date : 160512 Base WD: 100B0000 Job No : -- MI No : --	Circuit Diagram Number <b>100B0000</b>
				B1 C1 B2 C2	Issue No <b>6</b> Sheet <b>1</b> of 2

# NO OPTIONS FITTED

## 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"  $\geq 16\text{Vdc}$  / "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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
100B0000	6	2 of 2