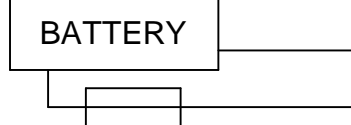


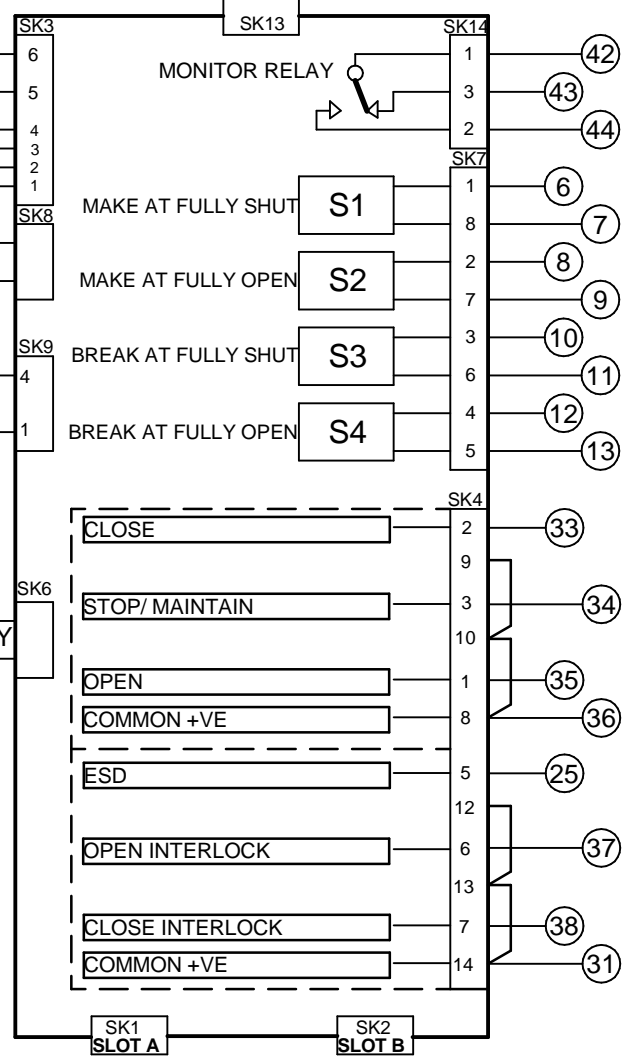
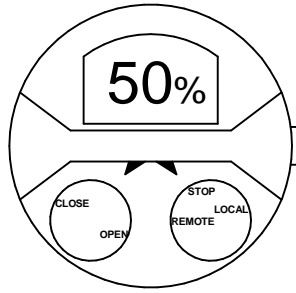
FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS104**

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

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



FS2 (IF FITTED) 100mA



| Iss | Date | Chkd | Revision Details |
|-----|--------|------|---|
| 1 | 140613 | JC1 | FIRST ISSUE |
| 2 | 160614 | MR | 400v added to type 1 tapping Y. Note added to sheet 2 note 1. |

www.rotork.com

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IQ BASIC + NEGATIVE SWITCHING REMOTES + PAKSCAN

Drawn by: PJW
Date : 140613
Base WD: 100K2100
Job No : --
MI No : --

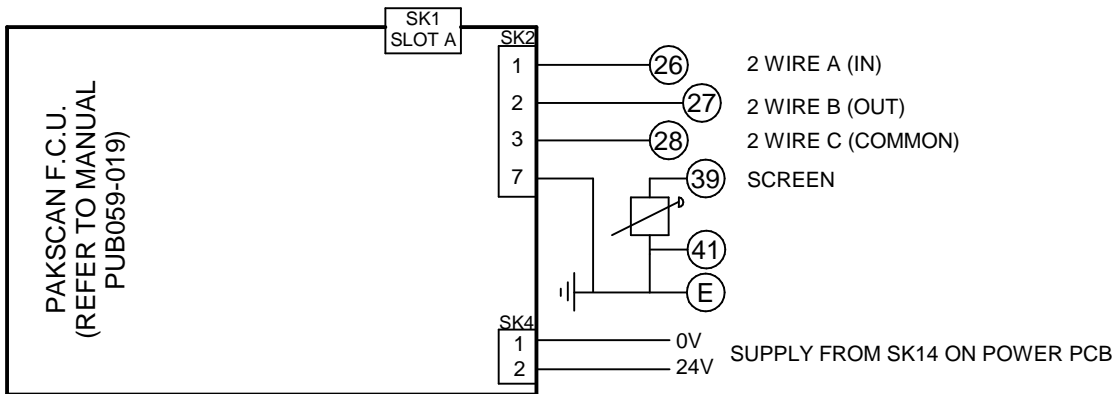
Circuit Diagram Number
100K2100

Issue No
2

Sheet
1
of 2

| | | | | | | | | | |
|----|----|----|----|--|--|--|--|--|--|
| B1 | C1 | B2 | C2 | | | | | | |
|----|----|----|----|--|--|--|--|--|--|

SLOT A



CARE SHOULD BE TAKEN TO ENSURE THAT CIRCUITS CONNECTED TO TERMINALS 4 OR 5 ARE NOT DIRECTLY OR INDIRECTLY CONNECTED TO GROUND.

THE SETTING TOOL ENABLES THE PAKSCAN F.C.U BAUD RATE AND ADDRESS TO BE CONFIGURED

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 |
| 100K2100 | 2 | 2 of 2 |