

FOR TYPICAL REMOTE CONTROL DETAILS, SEE DOCUMENT **RWS101**

| TRANSFORMER TAPPING OPTIONS | | |
|-----------------------------|-------------------------|----------|
| Tap | Nominal 50/60Hz VOLTAGE | FUSE FS1 |
| LOW | 115 | 500mA |
| HIGH | 230 | 250mA |

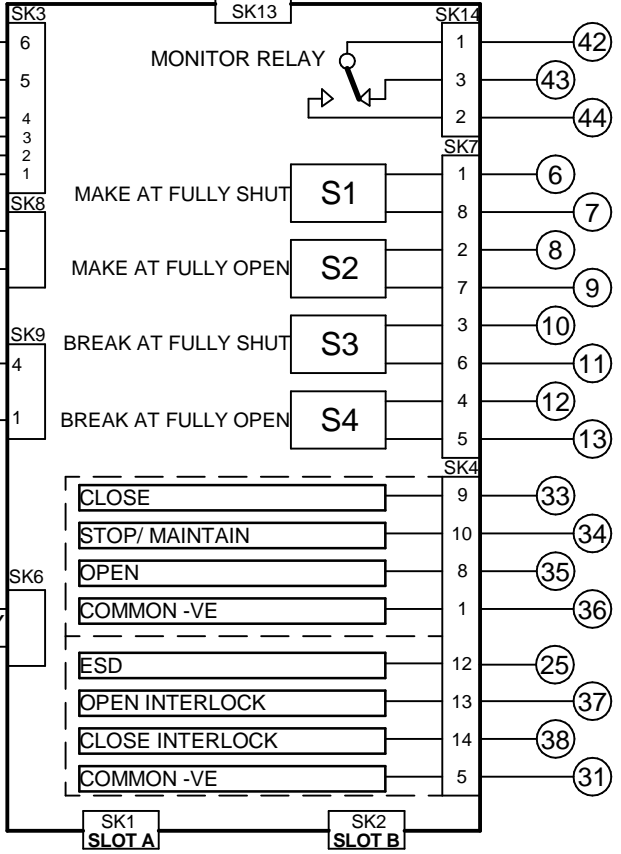
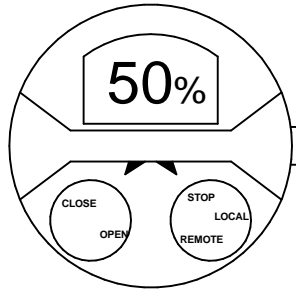
FUSE FS1 TO BE ANTI SURGE

CAPACITOR START/RUN (CS/CS2 AND CR/CR2) COMBINATIONS & VALUES VARY WITH SUPPLY VOLTAGE & ACTUATOR SIZE.

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



FS2 (IF FITTED) 100mA



| Iss | Date | Chkd | Revision Details |
|-----|--------|------|------------------|
| 1 | 300124 | PJW | First issue |

www.rotork.com

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Tel:01225-733200

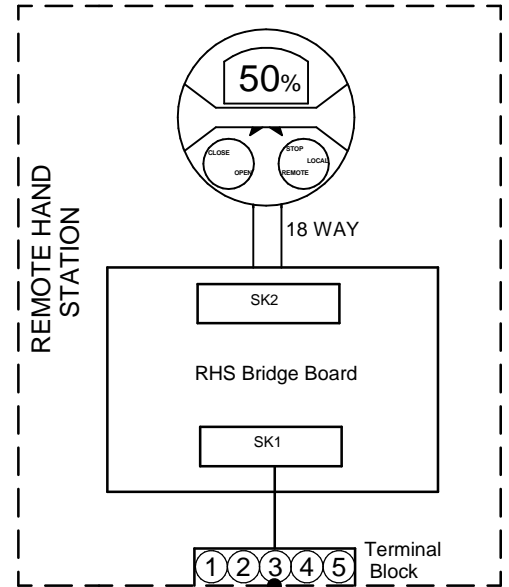
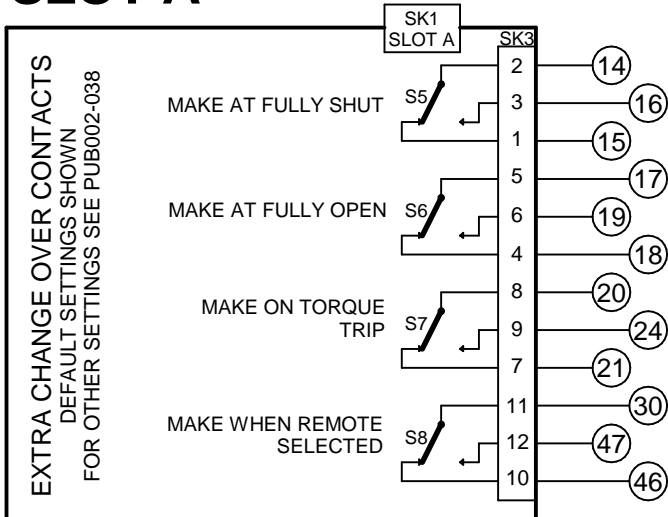
ROTORK CONTROLS INC
ROCHESTER
NY 14624, USA
Tel:585-247-2304

IQ SINGLE PHASE + 120VAC REMOTE CONTROL SUPPLY + EXTRA RELAYS S5-S8 + RHS.

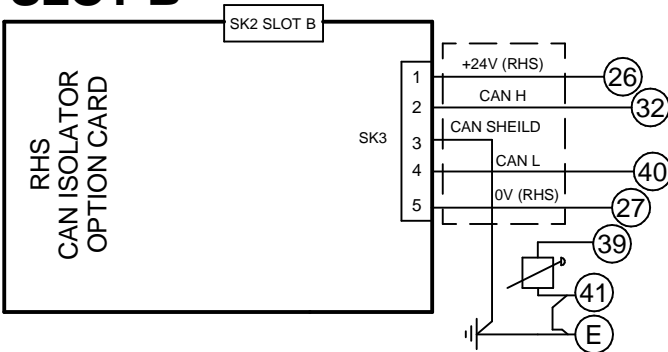
Drawn by: PJW
Date : 300124
Base WD: 130B0016
Job No : --
MI No : --

| | | | |
|------------------------|----|----------|----------|
| Circuit Diagram Number | | Issue No | Sheet |
| 130B0016 | | 1 | 1 |
| B1 | C1 | B2 | C2 |
| B1 | C1 | M1 | V1 |

SLOT A



SLOT B



RHS CABLE IS CUSTOMER SUPPLIED, FOR SPECIFICATION SEE PUB002-059, MAXIMUM LENGTH OF CABLE TO BE 100m.

| Actuator Terminal Bung No. | RHS Terminal Block No. | Function |
|----------------------------|------------------------|------------|
| 26 | 1 | +24V (RHS) |
| 27 | 2 | 0V (RHS) |
| 32 | 3 | CAN H |
| 40 | 4 | CAN L |
| 39 | 5 | SHEILD |

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" $\geq 16Vdc$ / "off" $\leq 8Vdc$, max 60Vdc.
 - AC: "on" $\geq 60Vac$ / "off" $\leq 40Vac$, 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.