

FOR TYPICAL REMOTE CONTROL  
DETAILS, SEE DOCUMENT  
**RWS122**

| VOLTAGE OPTIONS |                |
|-----------------|----------------|
| VOLTAGE         | SIZE           |
| 110VDC          | 10,12,18,20,25 |
| 48VDC           | 10,12,18       |
| 24VDC           | 10             |

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

| Iss | Date   | Chkd | Revision Details    |
|-----|--------|------|---------------------|
| 1   | 092215 | PJW  | FIRST ISSUE         |
| 2   | 270116 | TH   | Updated modbus note |

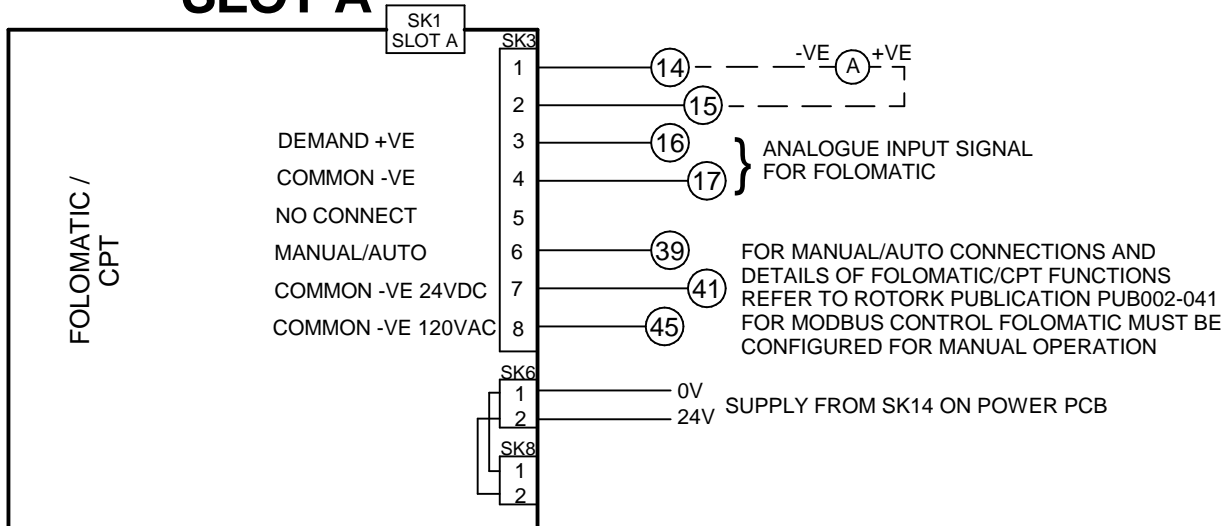
**www.rotork.com**

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

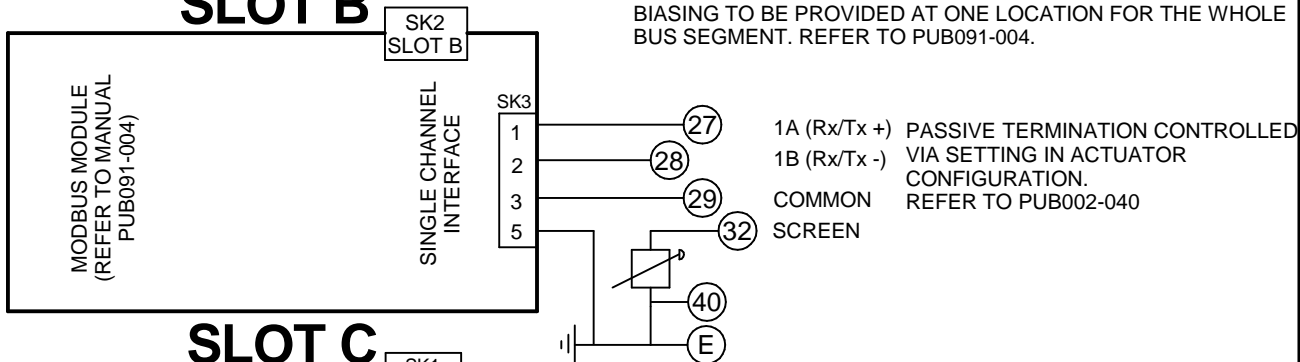
ROTORK CONTROLS INC  
ROCHESTER  
NY 14624, USA  
Tel:585-247-2304

|  |    |   |                      |                           |    |    |    |  |  |
|--|----|---|----------------------|---------------------------|----|----|----|--|--|
| IQ DC + FOLOMATIC/CPT + MODBUS + EXTRA<br>RELAYS S5-S8                           |    | Circuit Diagram Number<br><b>143M2010</b> | Issue No<br><b>2</b> | Sheet<br><b>1</b><br>of 2 |    |    |    |  |  |
| Drawn by: JDC<br>Date : 092215<br>Base WD: 143M2010<br>Job No : --<br>MI No : -- |    |   |                      |                           |    |    |    |  |  |
| B1   | C1 | B2  | C2                   | B1                        | C1 | M1 | V1 |  |  |

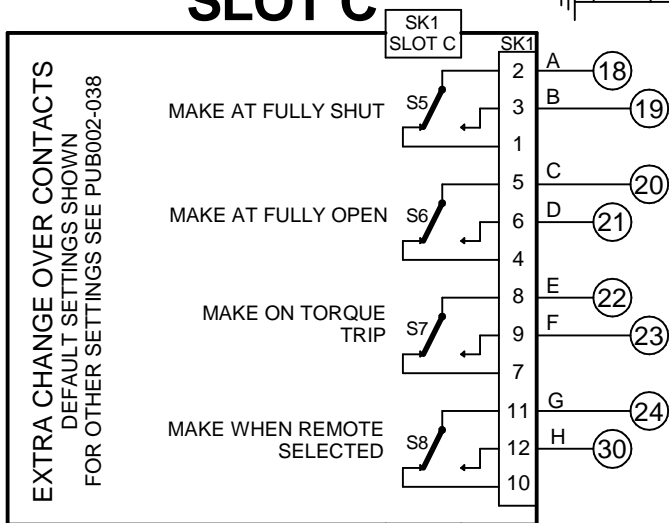
## SLOT A



## SLOT B



## SLOT C



### NOTES

#### 1.FUSES:

- FS1 - 6A anti-surge.
- Actuator rated voltage specified on nameplate. Voltage tolerance +/-10%, applies for rated torque performance; duty cycle and speed 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

#### 5.DC:

- Default for sleep mode is DISABLED.
- Sleep mode can be enabled by moving link LK1 from NORM to SOLAR. (Basic DC solar is 150B0000)
- Actuator will remain powered up at all times while supply is present.
- 24VDC will be lost when in sleep mode.
- If customer supply is needed to wake actuator link LK3 must be moved to CUST for maintained customer supply.

#### 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.