

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	200516	JC1	FIRST ISSUE

**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 & EXT PWR CPT + SINGLE CHANNEL PROFIBUS + EXTRA RELAYS S5-S8**

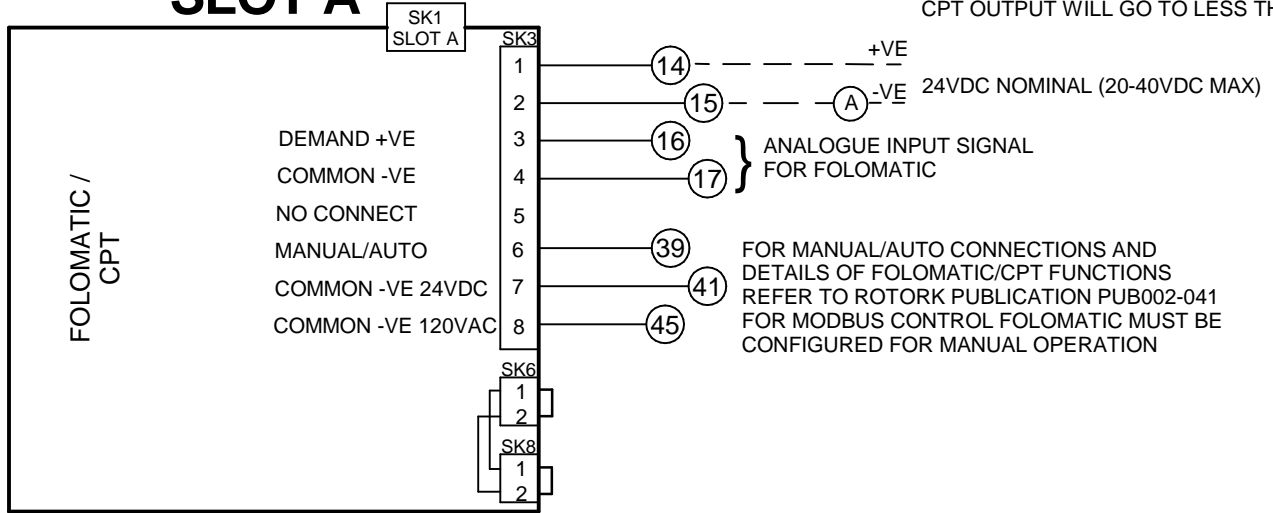
Drawn by: PJW Date : 200516 Base WD: 147P2010 Job No : -- MI No : --	Circuit Diagram Number <b>147P2010</b>	Issue No <b>1</b> Sheet <b>1</b> of 2
--	---	---

B1|C1|B2|C2|B1|C1|M1|V1

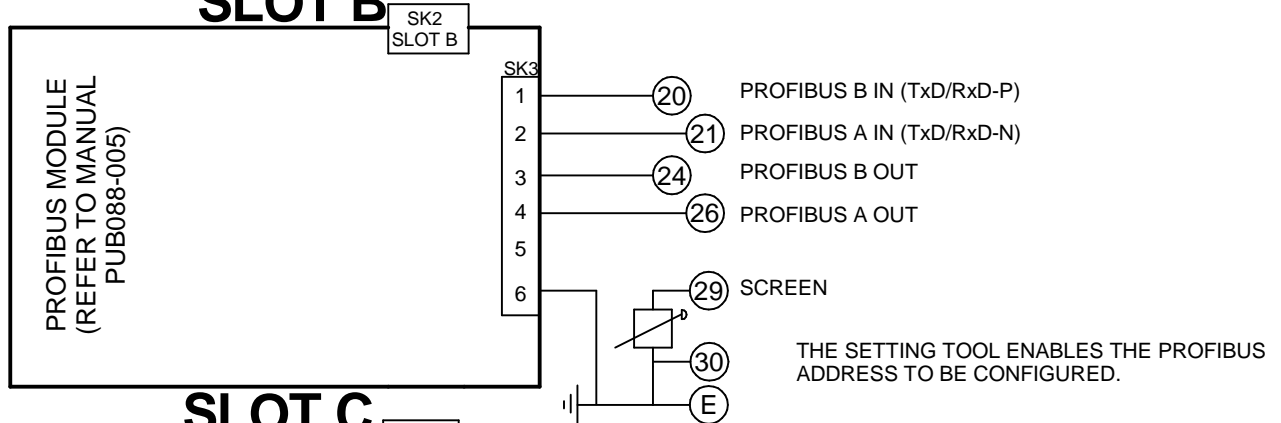
# SLOT A

CIRCUIT DRAWN WITH POWER SUPPLY OFF

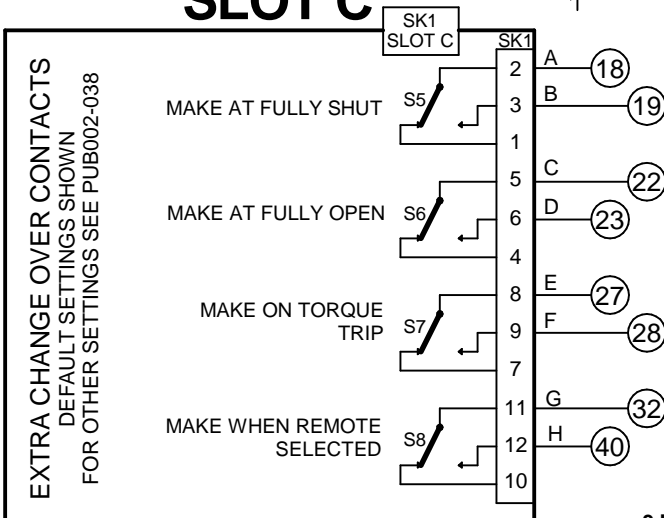
NOTE - UNDER LOSS OF DC POWER  
CPT OUTPUT WILL GO TO LESS THAN 1mA



# 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.

See Sheet 1 for all Revision details/information

Circuit Diagram Number	Issue No	Sheet
147P2010	1	2 of 2