



PASSIVE TERMINATION CONTROLLED VIA SETTING IN ACTUATOR CONFIGURATION. REFER TO PUB002-040

MODBUS RS485 SIGNAL LINES REQUIRE EXTERNAL ACTIVE BIASING TO BE PROVIDED AT ONE LOCATION FOR THE WHOLE BUS SEGMENT. REFER TO PUB091-004.

# **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 ENABLE.
- -To disable sleep mode connect 5 to 46 & 4 to 47.
- -Sleep mode can also be disabled by moving link LK1 from SOLAR to NORM.
- -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.

- -For typical position, status and alarm indication see PUB002-041.
- -"S" contacts are user configurable and are shown in their default settina.
- -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.