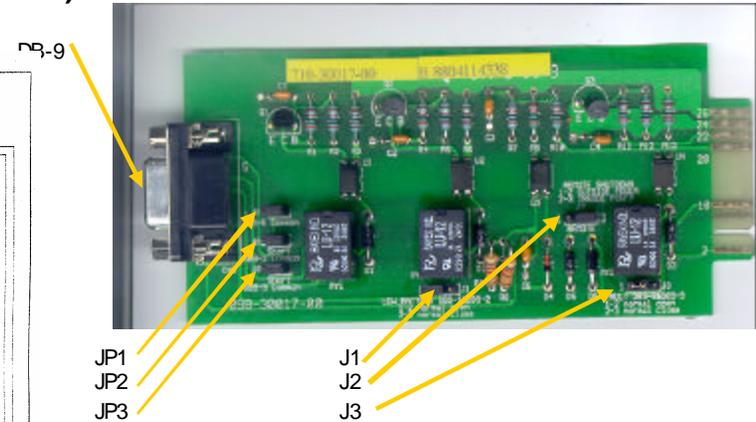
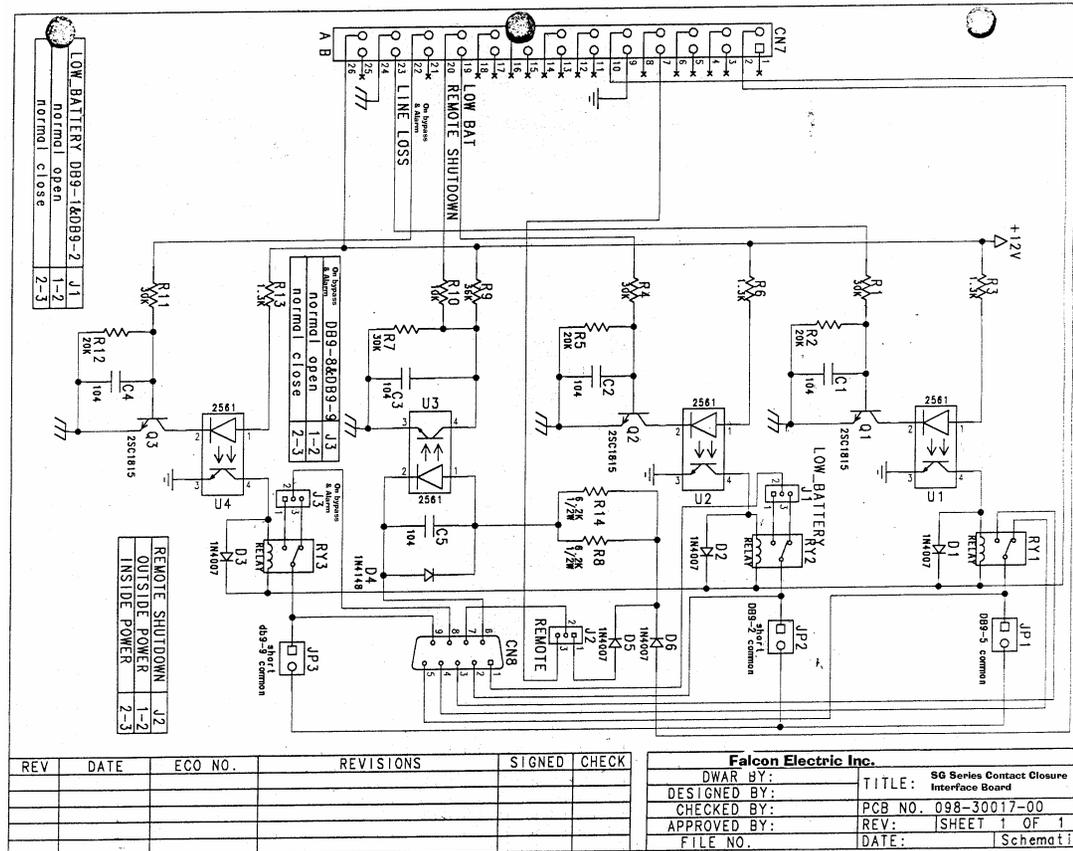


### SG SERIES CONTACT CLOSURE INTERFACE BOARD (Dry Contacts & On Bypass)



DB-9F PIN & JUMPER ASSIGNMENTS	
PIN	DESCRIPTION
1	Low Battery ( When UPS reaches low battery, contact activates) (J1, 1-2 short = N.O) (J1, 2-3 short = N.C)
2	JP2 shorted = Low Battery common & all other shorted JP commons JP2 open = common for low battery only
3	Utility Loss N.O. ( At loss of utility voltage, contact activates)
4	Utility Loss N.C. ( At loss of utility voltage, contact activates)
5	JP1 shorted = Utility Loss common & all other shorted JP commons JP1 open = Utility Loss common only
6	Remote Shutdown common
7	Remote Shutdown (J2, 1-2 short = outside power) (J2, 2-3 short = inside power) <u>1-2 shorted</u> . Applying an external 12V signal across the DB-9, pins six and seven, while the UPS is on battery, will turn off the UPS. <u>2-3 shorted</u> . Applying a short directly across the DB-9, pins six and seven, while the UPS is on battery, will turn off the UPS.
8	On Bypass or Alarm (Upon the UPS going to bypass or a UPS failure the contact activates) (J3, 1-2 short = N.O.) (J3, 2-3 short = N.C.)
9	JP3 shorted = On bypass, Alarm common & all other shorted JP commons JP3 open = On bypass, Alarm common only

Note: A NEW ARTWORK BOARD ASSEMBLY PART NUMBER UA88376 supercedes ECN011102-1 & ECN011102-2.

Falcon Electric Inc.	
DESIGNED BY:	TITLE: SG Series Contact Closure Interface Board
CHECKED BY:	PCB NO. 098-30017-00
APPROVED BY:	REV: SHEET 1 OF 1
FILE NO.	DATE:

REV	DATE	ECO NO.	REVISIONS	SIGNED	CHECK



### SG SERIES CONTACT CLOSURE INTERFACE BOARD FEATURES (Dry Contacts & On Bypass)

- 1) Utility Loss, Low Battery and On Bypass/Alarm signals are relay contact closure type providing a more universal interface that is not polarity sensitive unlike opto-coupler designs. Contact accept higher voltage levels at up to 1 amp each contact.
- 2) Utility Loss, Low Battery and On Bypass/Alarm signals may be fully isolated or tied together to the same common return via on board jumper selection.
- 3) Utility Loss, Low Battery and On Bypass/Alarm signals may be jumper selected to provide a normally open (N.O.) or normally closed (N.C.) contact condition.
- 4) Remote shutdown can be configured to accept a simple contact closure or an external voltage of up to 12Vdc.
- 5) Gives true indication of the SG Series UPS being either placed on bypass by a user, or by the UPS in the event of a failure.
- 6) Interfaces easily with all contact closure type shutdown software or management hardware.