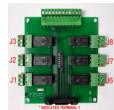


VYCON DIRECT CONNECT

Optional Customer Interface Board (CIB)

Technical Reference [GB](#)



<input checked="" type="radio"/>	Ready
<input type="radio"/>	Charging
<input type="radio"/>	Discharging
<input type="radio"/>	Alarm
<input type="radio"/>	Warning
<input type="radio"/>	Shutdown

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1. WARRANTY CERTIFICATE

The warranty terms and conditions are stipulated in the offer, by default the following clauses apply.

The SOCOMEC UPS warranty is strictly limited to the product(s) and does not extend to equipment which may be integrated with this/these product(s), nor the performance of such equipment.

The manufacturer guarantees its products to be free from manufacturing faults and defects in design, material or workmanship, subject to the limits set forth below.

The manufacturer reserves the right to modify the delivery with a view to fulfilling these guarantees or to replace defective parts. The manufacturer's warranty does not apply in the following cases:

- fault or defect in the design of parts added or supplied by the customer
- fault due to unforeseen circumstances or force majeure
- replacement or repair resulting from normal wear and tear of the modules or machinery
- damage caused by negligence, lack of proper maintenance or misuse of the products
- repair, modification, adjustment or replacement of parts undertaken by unqualified third parties or personnel without the express consent of SOCOMEC UPS.

The warranty period is twelve months commencing from the date of delivery of the product.

The repair, replacement or modification of the parts during the warranty period does not imply or justify any extension of the warranty beyond the original period.

In order to establish a valid warranty claim, the purchaser must notify the manufacturer in writing immediately after the discovery of any apparent material defects and provide any and all supporting evidence of the defects at the latest within eight days before the date of expiry of the warranty.

Defective parts which have been returned and replaced free of charge shall become the property of SOCOMEC UPS.

The warranty is void if the purchaser has undertaken modifications or repairs on the devices on his or her own initiative and without the express consent of the manufacturer.

The manufacturer's responsibility is strictly limited to the obligations defined in this warranty (repair and replacement) excluding any other right to claim compensation or indemnity.

Any import tax, duty, fee or charge of any nature whatsoever imposed by European regulations or those of an importing country or of a transit country shall be paid by the purchaser.

2. INTRODUCTION

The Customer Interface Board allows the customer to monitor the status of the VDC / VDC-XE by providing dry, potential free Form C (NO, Com, NC) contacts. These contacts may be used in a variety of applications including connection to Remote Status Panels; Building Management Systems, or directly to a UPS.

Note that this option only makes the signals available and does not include the connected equipment (UPS, Remote Status Panel, Building Management System, etc.).

3. INSTALLATION

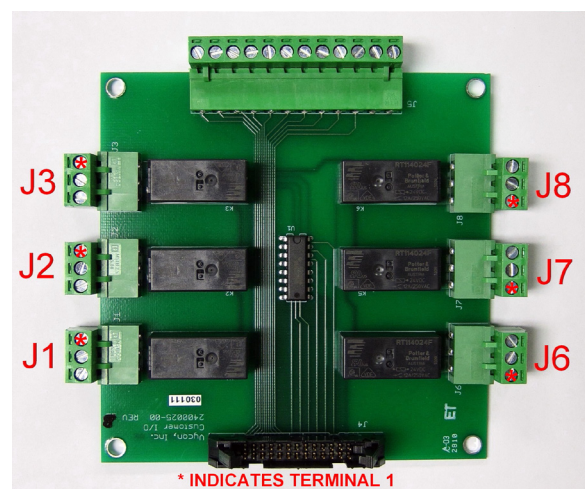
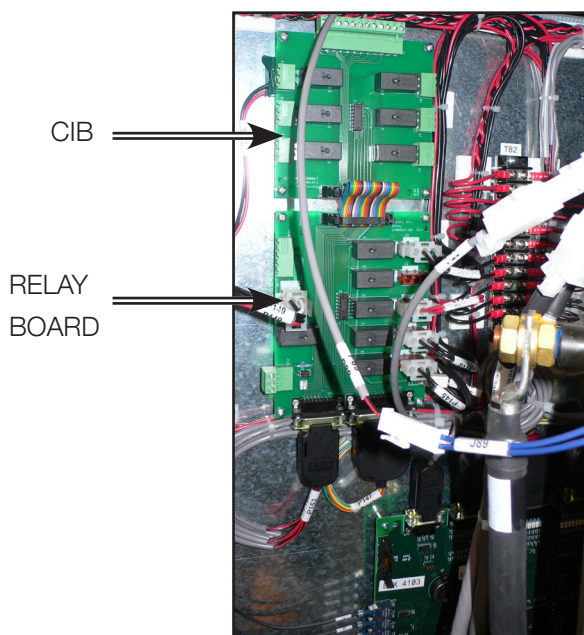
3.1. KIT P/N 9700051-00

Kit P/N 9700051-00 includes:

- Customer Interface Board (CIB) assembly 2400025-00
- Ribbon Cable Assembly 2300044-01
- Mounting Hardware
 - Qty: 4 6-32 screws
 - Qty: 4 6-32 x .75 inch standoff

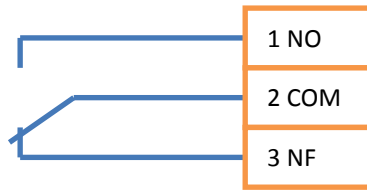
3.2. INSTALLATION

- The standoffs are inserted into predrilled holes of the “Low Voltage Panel” above the relay board. The “Low Voltage Panel” is located at the lower left inside the VDC / VDC-XE
- The CIB assembly is mounted on the standoffs, fixed in place by the screws.
- Connect the CIB to the Relay board using the Ribbon Cable Assembly.
- Control Wires terminated at the CIB, refer to Section 3 for connector descriptions.



4. CONFIGURATION

- Each Channel is driven by a relay with the contact configuration below:



- Channel Designation and Connector ID are:

Channel	Connector	Description
1	J1	Warning
2	J2	Shutdown
3	J3	Alarm
4	J6	Ready
5	J7	Charging
6	J8	Discharging

Example:

- J1-1: Normally Open terminal for Warning
- J1-2: Common terminal for Warning
- J1-3: Normally Closed terminal for Warning

5. OPERATION

Channel	Function	Description – Normally Open contact closes when
1	Warning	There is a Warning is present, an elevated condition exists but the VDC / VDC-XE will continue to operate. See the Operating Parameters Screen and the Warning and Alarm Events Screen and take action as necessary. If the elevated condition continues to persist, it may cause the VDC / VDC-XE to reach Alarm stage.
2	Shutdown	The VDC / VDC-XE is coasting or motoring down. See the Warning and Alarm Events Screen for more details.
3	Alarm	There is an Alarm is present, the VDC / VDC-XE is shutting down. See the Operating Parameters Screen and the Warning and Alarm Events Screen for Alarm Details
4	Ready	System OK, the VDC / VDC-XE has reached 100% Energy Available. This is a normal condition
5	Charging	Flywheel is recharging to full capacity. This is a normal Condition.
6	Discharging	Flywheel is discharging energy. This is a normal Condition.

See the User Manual for more detailed descriptions.

6. SPECIFICATIONS

Contact Ratings:

- 10A 120 V AC / 24 V DC

Terminal Ratings:

- 1 #22-#10 AWG

7. TROUBLESHOOTING

Symptom	Action
The indication is opposite of what is expected	Check the terminals being used; terminal 1 is the terminal closest to the connector Reference Designator on the CIB.
	Check to make sure the appropriate signal is being used (NO, NC)
State does not change (does not follow the actual state of the VDC / VDC XE)	Check to make sure the common terminal (middle, terminal 2) is being used.
	Verify connections at the connectors

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