



## **INSTRUCTION MANUAL**

DOCUMENT NO. 027-C10SL  
Rev. 1.01 Mar. 21, 2005

# ***Saflink Kit for the C10 Inverter Series***

### **Saftronics, Inc.**

5580 Enterprise Pkwy

Ft. Myers, FL 33905

Tel. (239) 693 - 7200

Fax (239) 693 - 2431

[www.saftronics.com](http://www.saftronics.com)

**SAFETY FIRST !**

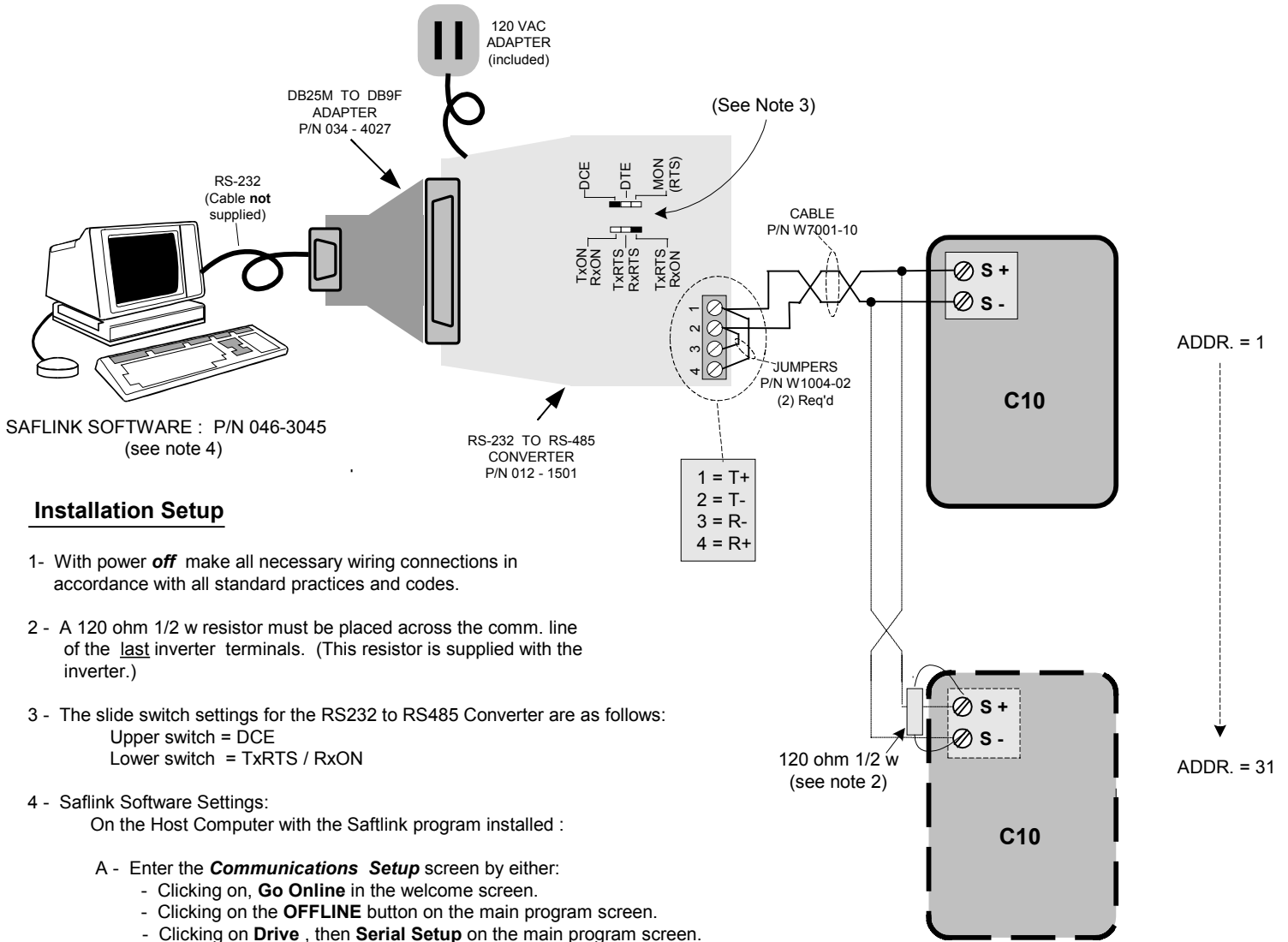
**LETHAL VOLTAGES MAY BE PRESENT**

PLEASE READ THIS MANUAL THOROUGHLY BEFORE ATTEMPTING ANY INSTALLATION, OPERATION, MAINTENANCE, OR INSPECTION. FAILURE TO FOLLOW THE RECOMMENDED PROCEDURES OR CAUTIONS IN THIS MANUAL COULD RESULT IN INJURY TO PERSONNEL AND / OR DAMAGE TO THE EQUIPMENT.

**CAUTION**

- 1 – CHECK THE NAME WRITTEN ON THE PRODUCT AND INSURE THAT THE PROPER PART HAS BEEN RECEIVED.
- 2 – THOROUGHLY INSPECT THE PART(S) FOR ANY DAMAGE DUE TO SHIPMENT OR HANDLING.
- 3 - THE PART(S) MAY CONTAIN CMOS CHIPS AND CAN BE DAMGED BY STATIC ELECTRICITY. HANDLING SHOULD BE IN ACCORDANCE WITH INDUSTRY STANDARDS.
- 4 - BEFORE INSTALLING THE PART(S) TURN OFF ALL POWER TO THE EQUIPMENT AND INSURE THE CHARGE INDICATOR LAMP ON THE INVERTER IS **OFF**. **LETHAL VOLTAGES ARE PRESENT**
- 5 - DO NOT CONNECT OR DISCONNECT WIRING WHILE POWER IS **ON!**
- 6 - FOLLOW GOOD STANDARD WIRING PRACTICES AND ANY APPLICABLE CODES THAT MAY APPLY.

**CAUTION ! Make sure all power to the equipment is off before making inverter connections, as lethal voltages are present.**



SAFLINK SOFTWARE : P/N 046-3045  
(see note 4)

**Installation Setup**

- 1- With power **off** make all necessary wiring connections in accordance with all standard practices and codes.
- 2 - A 120 ohm 1/2 w resistor must be placed across the comm. line of the last inverter terminals. (This resistor is supplied with the inverter.)
- 3 - The slide switch settings for the RS232 to RS485 Converter are as follows:  
Upper switch = DCE  
Lower switch = TxRTS / RxON
- 4 - Saflink Software Settings:  
On the Host Computer with the Saflink program installed :
  - A - Enter the **Communications Setup** screen by either:
    - Clicking on, **Go Online** in the welcome screen.
    - Clicking on the **OFFLINE** button on the main program screen.
    - Clicking on **Drive** , then **Serial Setup** on the main program screen.
  - B - Select Serial Settings
    - 1 - Serial
    - 2 - Single drive or Drive Network ( See Networking Setup )
    - 3 - Communications port Comx (user determined)
    - 4 - Port Setup:
      - Baud Rate Setting 9600
      - Stop Bit Selection 2 Stop Bits
      - Parity Selection No Parity
      - Data Format 8 Bits
    - 5 - Connection Timing
      - Transmission Delay 5 ms.
      - Response Delay 25 ms.
      - Check  Echo back suppression
    - 6 - Station Number - 1 -31(Assigned by user in setting of parameter SN-36 in drive)

**Networking Setup :**  
On each drive on the network :  
 - Enter the programming mode with the keypad.  
 - Set: SN-36 Serial Connection Station Address = (As required)  
 SN-37 Serial Connection Transmission Speed = 9600 (Baud)  
 SN-38 Serial Connection Transmission Parity = No Parity  
 \* Most of the drive software settings are set by default, but should be checked for conformance.

Kit Includes						
Drive Series	KIT P/N	Software P/N	RS232/RS485 Converter P/N	DB25M/DB9F Adapter P/N	Cable P/N	Jumpers P/N
<b>C10</b>	046-C10SL	046-3045	012-1501	034-4027	W7001-10	W1004-02 (2) Req'd

## **WARNING!**

*Saftronics* manufactures component parts that can be used in a wide variety of industrial applications. The selection and application of *Saftronics* products remains the responsibility of the equipment designer or end user. *Saftronics* accepts no responsibility for how its products may be incorporated into the final design.

Under no circumstances should any *Saftronics* product be incorporated into any product or design as the exclusive or sole safety control. Without exception, all controls should be designed to dynamically fault detect and fail safe under all circumstances. All products designed to incorporate a component part manufactured by *Saftronics*, must be supplied to the end user with appropriate warnings and instructions as to the safe use and operation. Any warnings provided by *Saftronics* must be passed through to the end user.

*Saftronics* offers an express warranty only as to the quality of its products to conform to the catalog specifications. NO OTHER WARRANTY, EXPRESS OR IMPLIED, IS OFFERED. *Saftronics* assumes no liability for any personal injury, property damage, losses or claims, arising out of the mis-application of its products.