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P R E L I M I N A R Y

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dcM6/12+ DC Drive series Networking Kit

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Doc Part Number 027 - 0908

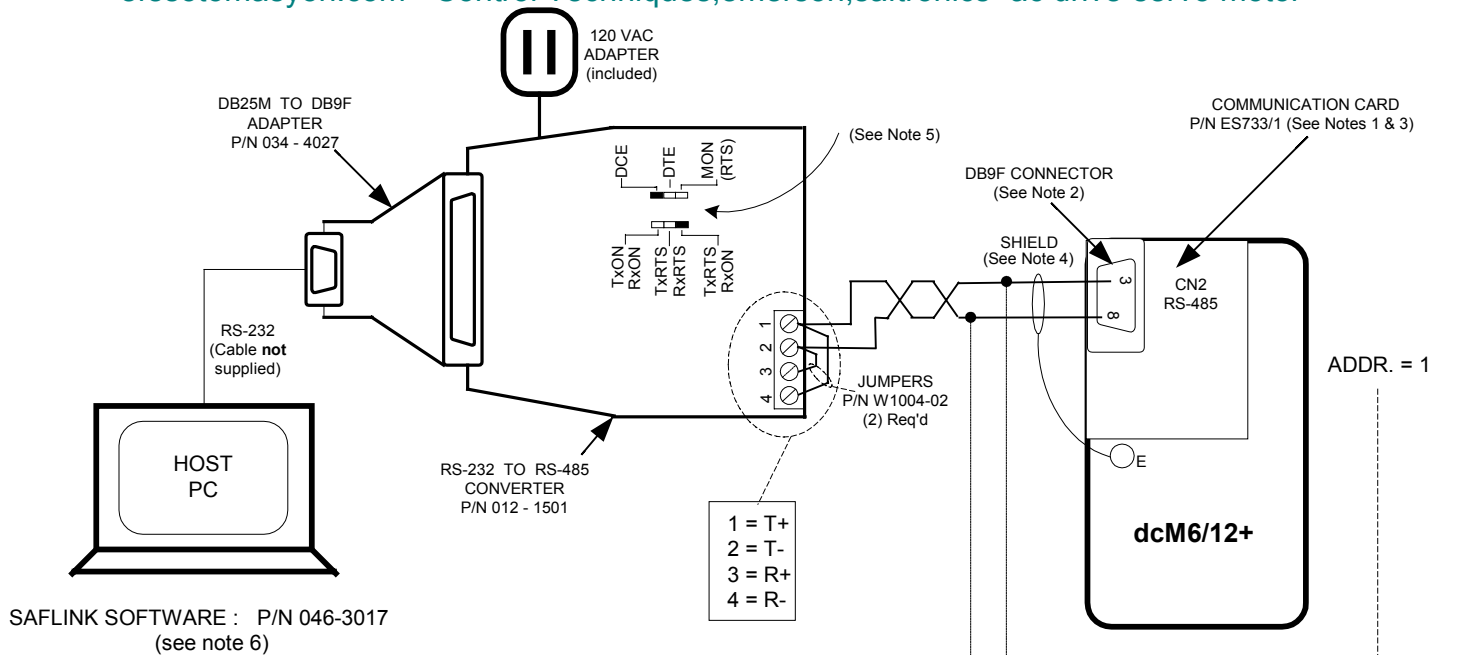
SAFETY FIRST !

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.



NOTES:

- 1- The **ES733/1** Communication card is part of the Saflink software kit p/n **046-7017**. Only one card is provided. Additional cards must be purchased for each drive that is to be added to the network.
- 2- The ES733/1 card has a DB9F (female) connector on board for connection to the RS-485 Bus. **A DB9M (male) must be provided by user.**
- 3 - The ES733/1 Jumper settings JP1 - JP6 are as follows:
 JP1= 1-2 2FILI
 JP2= 1-2 Swap TX/RX
 JP3= 2-3 RS-485
 JP4= 2-3 Bias Off
 Jp5= 2-3 Term Off (**On last drive set to ON 1-2**)
 JP6= 2-3 Bias Off
- 4 - When using shielded wire ground as shown.
- 5 - The slide switch settings for the RS - 232 to RS-485 Converter are as follows:
 Upper switch = DCE
 Lower switch = TxRTS / RxON

6 - * Software Settings:

On the Host Computer with the Saflink program loaded:
 A - Go to the tool bar and select Drive Settings
 B - Select Serial Settings
 C - **Set** Connection Medium = Direct Serial Link
 Connection Type = RS- 422 (4 Wire)
 Echo = on
 Communications Port = Comx (user determined)
 Parity = no parity
 Baud Rate = 9600
 Test/Default Address = (select drive address)
 Master Data Base Address = 0

On each drive on the network:
 A - Enter the programming mode with keypad
 B - **Set** C160 Serial Connection Drive Address = (as required)
 C161 Serial Connection Transmission Speed = 9600
 C162 Serial Connection Transmission Parity = no parity
 C163 Master Data Base Address = 0
 C164 Serial Time Out = 300 ms.
 C165 Serial Response Delay = 0.00 ms.

* Most of the software settings are initially set by default but should be checked for conformance.

Kit P/N 043 - 0908 (Includes)				
* Saflink Software Kit P/N	Accessories Pkg. P/N 046 - 9026 to include:			
	RS232/RS485 Converter P/N	DB25M/DB9F Adapter P/N	** Cable P/N	Jumpers P/N
046 - 7017	012 - 1501	034 - 4027	W7001 - 10	W1004 - 02 (2) Req'd

* The Saflink Software Kit includes (1) communication card P/N ES733/1 and a download cable P/N 046 - 9006 -3. **The cable is not used in this application.**

** **The cable P/N W7001 - 10 is not used in this application**

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.

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