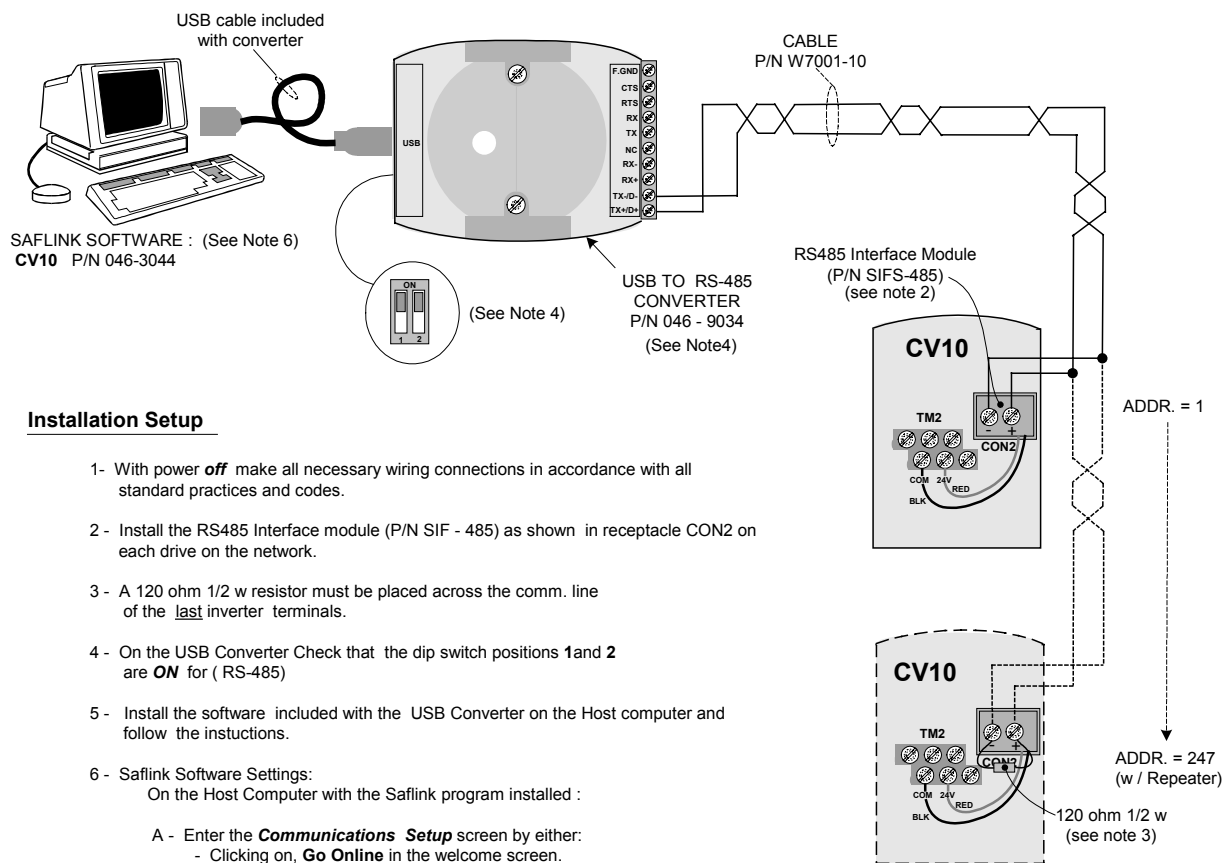


CV10 SAFLINK RS485 / USB NETWORKING

The following diagram and notes describe the implementation of **RS485** to **USB** conversion to enable networking of the **Saftronics CV10** inverter series for use with **Saflink**. The parts are available and may be purchased separately.

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



Installation Setup

- 1- With power **off** make all necessary wiring connections in accordance with all standard practices and codes.
- 2- Install the RS485 Interface module (P/N SIF - 485) as shown in receptacle CON2 on each drive on the network.
- 3- A 120 ohm 1/2 w resistor must be placed across the comm. line of the last inverter terminals.
- 4- On the USB Converter Check that the dip switch positions 1 and 2 are **ON** for (RS-485)
- 5- Install the software included with the USB Converter on the Host computer and follow the instructions.
- 6- 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 (**Note:** the host computer assigns a port number to the USB converter when it is connected. This number may be accessed by right clicking on **My Computer** select **properties** then **Hardware - Device Manager - Ports**)
 - 4 - Port Setup:
 - Baud Rate Setting 38.4 kBaud
 - Stop Bit Selection 1 Stop Bit
 - Parity Selection No Parity
 - Data Format 8 Bits
 - 5 - Connection Timing
 - Transmission Delay 1 ms.
 - Response Delay 25 ms.
 - 6 - Station Number - 1 - 247 (Assigned by user in setting of parameter 13-0 in drive)

Networking Setup :

- On each drive on the network :
- Enter the programming mode with the keypad.
 - Set: 13 - 0 Serial Connection Station Address = (As required)
 - 13 - 1 Serial Connection Transmission Speed = *38.4 kBaud
 - 13 - 2 Serial Connection Transmission Stop Bit = *1
 - 13 - 3 Serial Connection Transmission Parity = * No Parity
 - 13 - 4 Serial Connection Transmission Data Format = * 8 Bits
- * Factory Default