



### USB to RS-485 Communication Adapter

The M204-USB is a USB to RS-485 Communication Adapter that can be used to communicate to Solidyne networked controllers using the RS-485 communication standard.

It is compatible with Windows 2000, XP and Vista and requires at least 1 USB (1.0, 1.1 or 2.0) port. The M204-USB will create a new communication port onto your pc viewable through Window Device Manager.

### Specifications

**Dimensions:** 3.5 x 1.7 x 0.8 in (8.9 x 4.3 x 2.1 cm)

**Temperature Range:** 0-70°C (32-158°F)

**RS-485 Baud Rate:** all baud rates up to 460.8kbps

**RS-485 Connector:** Removable terminal block

**USB Baud Rate:** 12Mbps

**USB Connector:** Type B female

**USB Power:** up to 100mA

**Operating System:** Windows 2000, XP, Vista

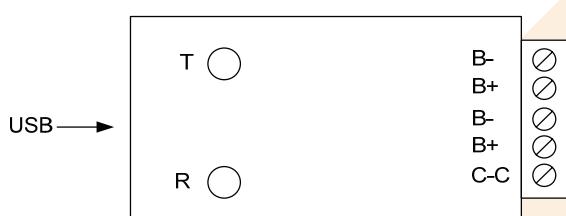
**Isolation:** 2000 V RMS

**LED Indicators:** Transmit, Receive

**Package Contents:** Driver CD, 3ft USB cable

### Wiring

The M204-USB has two sets of B+ and B- terminals. Only one of the sets would typically be used, but both can be used if the M204-USB needs to be wired in multi drop (daisy chain) topology.

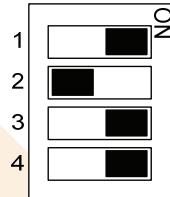


**Figure 1**

### Installation

The following steps should be taken to install the M204-USB:

1. Make sure that DIP switch settings are in their default factory configured position (all ON except DIP switch #2)



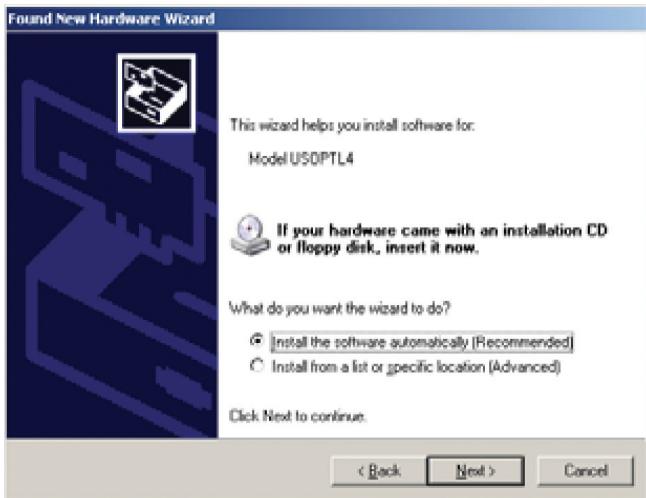
2. Wiring the B+, B- and C-C terminals to your device(s)/network.
3. Plug in USB connector to M204-USB
4. Plug in USB connector to PC and install M204-USB drivers as described in Driver Installation on the next page

## Driver Installation

The M204-USB ships with a CD that contains the driver for the device. If you have lost or misplaced your driver, you can always download the driver from the solidyne.com website by searching for M204-USB.



**Step 1:** Plug the M204-USB into an available USB port on your computer. The screen above appears, telling you that there is a new device plugged into the USB bus. Click on **No, not this time**, then the **Next>** button.



**Step 2:** The screen above appears. Make sure *Install the software automatically* is selected. Then click the **Next>** button.

*If you have downloaded the driver, you will need to select the Install from a list or specific location and then navigate to the driver files located on your computer.*



**Step 3:** The screen above appears. Click the **Finish** button to complete the installation.



**Step 4:** You will also need to continue to install the serial port the same way you installed the converter using steps 1-3.

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