

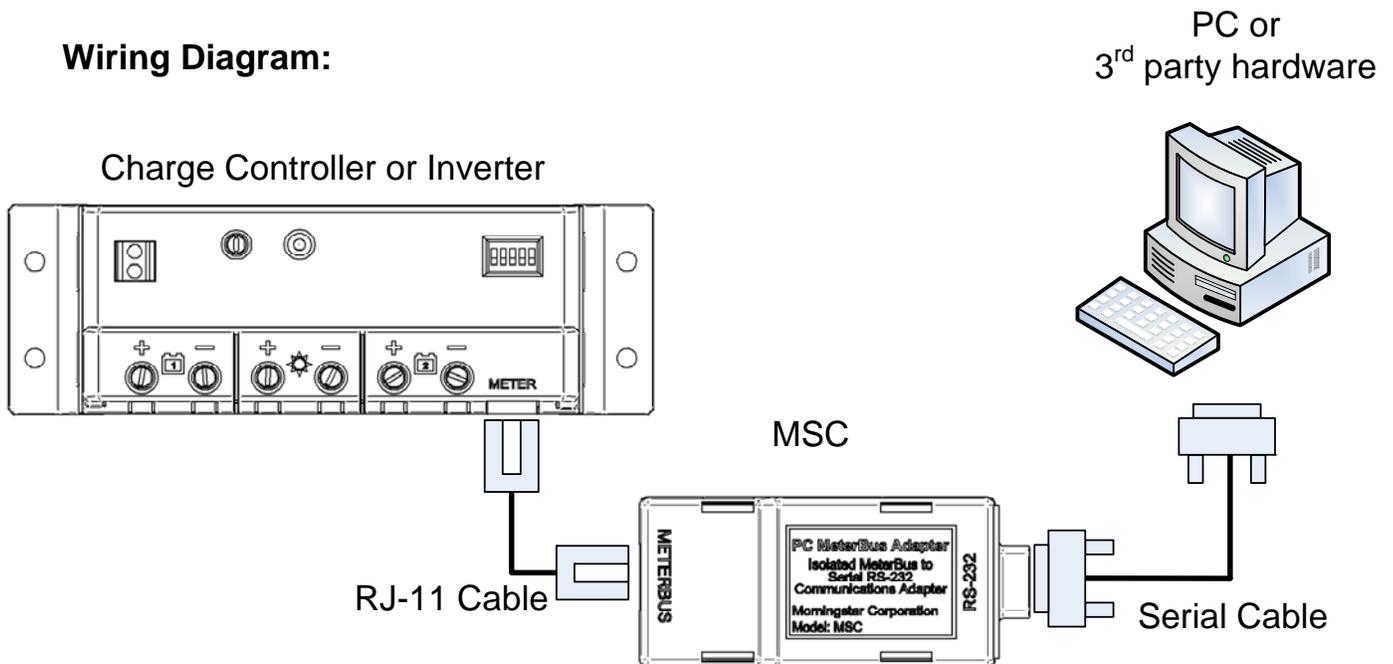
# Morningstar PC Meterbus Adapter Instructions

## Description:

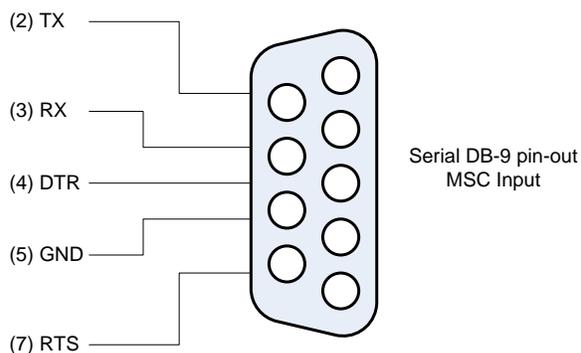
The PC Meterbus Adapter (model: MSC) converts the Morningstar MeterBus RJ-11 electrical interface to a standard RS-232 interface which allows communication between a PC and a Morningstar charge controller or inverter\*\*. The MSC is required for programming custom charging setpoints and logging data using Morningstar's MSView PC software. The MSC is also required for serial communications with any 3<sup>rd</sup> party hardware that supports Modbus communication.

\*\* controllers or inverters with a Meterbus connection that do not have a serial port or other communications port

## Wiring Diagram:



## RS-232 Pin-out:



## COM Settings:

- 9600 BAUD
- 8 data bits
- 1 or 2 stop bits
- No parity
- No Hardware Flow Control

## Notes:

1. Virtually all PC serial ports conform to the MSC pin-out requirements.
2. RS-232 GND is NOT the same ground as RJ-11! The MSC is fully opto-isolated on all pins.
3. + power must be asserted on DTR and/or RTS pins
4. - power must be asserted on RTS and/or RX pins

**Modbus documentation including register locations, scaling, and definitions can be found on Morningstar's website at:**

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