Quick Start Guide

Industrial 4 Port USB Hubs
Models UHR204 & UHR304

1 Included Items

- 4 port industrial USB hub
- Two meter USB cable
- Panel mount adapters
- DIN rail mount adapter
- This quick start guide

2 Installation

1. Unpack the USB hub from the shipping container. Verify that all included items are present.

   Note: There is no software CD for this product. It will install as a Generic USB Hub and does not require additional drivers.

2. Mount the product via the included DIN clip or included Panel Mount adapter kit. See the Mounting section for more information.

3. Using the included USB cable, connect one end of the cable to the Host PC or upstream USB hub. Plug the other end of the cable into the USB hub via the port marked USB Host.

   Note: If the USB upstream device is capable of supplying power to the Hub, then the Bus Power LED will light. When Local (external) power is applied to the terminal block or the barrel jack the Local Power LED will light. The Local Power LED will light only when power is applied externally and an active upstream connection is made (normally needs 500mA from host minimum).

4. Ground the hub to earth ground using the green ground screw.

5. Add power via the terminal block or barrel jack if one of the following instances will occur:

   Power Scenario 1
   The USB hub is connected to an upstream port that does not offer full power out. (Example: connecting the B&B hub into another hub that is not externally powered

   Power Scenario 2
   The USB Hub will have another USB hub connected to one of its downstream ports.

   Power Scenario 3
   The USB Hub will have bus powered devices plugged into it. (Example: using a B&B USB to serial device that uses the USB bus for power.)
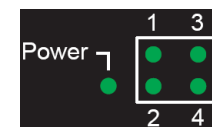
3 LED Indicators

Model UHR204

LED Type	State	Description
Bus Power	On	Product is plugged into an active host device and local power is not applied (the product can supply up to 100mA per downstream power)
	Off	Product has local power applied or no power present
Local Power	On	Local power is applied and an active host connection is made (the product is capable of supplying 500mA per downstream port)
	Off	Product is Bus powered or no power present
Port LED's	On	Port is Active and ready for use
	Off	Port has a fault - power may need to be cycled

Model UHR304

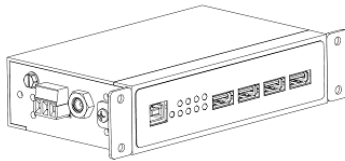| LED Type	State	Description
Power	On	Power is applied (the product is capable of supplying 500mA per downstream port)
	Off	Power is not applied
Port LED's	On	Port is Active and ready for use
	Off	Port has a fault - power may need to be cycled

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4 Mounting

DIN Rail Mounting

1. To install locate the included DIN rail mount kit which includes the bracket and 3 installation screws.

   Note: The DIN rail mounting bracket can only be installed on the back side of the hub.

2. Find the 3 mounting holes located on the back side of the hub and install the mounting bracket with the flat surface facing the back of the hub with the included mounting screws.

3. The product is now ready to be mounted on a piece of DIN rail.

Panel Mounting

1. To install locate the included panel mount kit which includes two bracket pieces and 4 installation screws (2 screws per bracket).

   Note: The Panel Mount Brackets can be mounted to either side of the product and allows mounting Up, Down, Forward and Back.

2. Using the 4 screws (2 per bracket) attach the brackets to the hub. The shorter side of the bracket in which the holes are close together is the side that will mount to the hub. The bracket when installed correctly will form an L shape with the side of the hub.

3. Once the brackets are installed the product is ready to be mounted.

5 Power

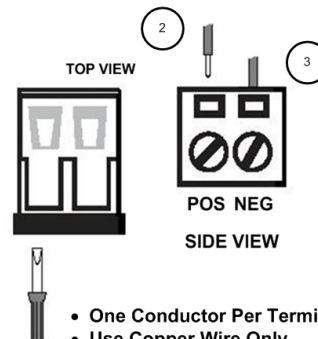## USB bus powered option (UHR204 only)

- The hub can be USB bus powered. When USB bus power is used the amount of power available to each of the USB downstream ports is limited to 100mA maximum per port.

External power option (UHR204 and UHR304)

- 10 to 30VDC, 16 watts maximum, Class 2 Input
- Terminal Block or Locking Power Jack

Note 1: When external power is used the hub will provide up to 500mA per downstream port.
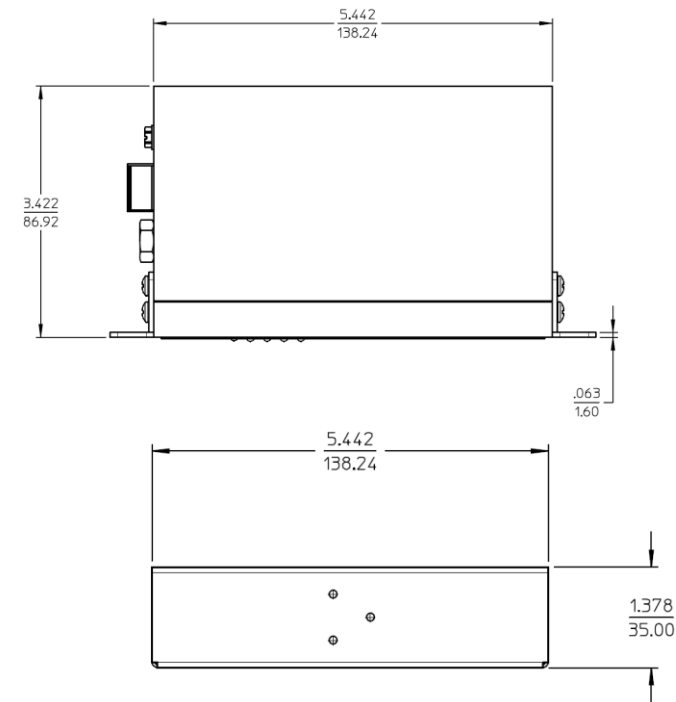
Note 2: The terminal block input and the locking barrel jack are wired so that both can be powered at the same time. This is a great option to achieve power redundancy.

TOP VIEW

POS   NEG

SIDE VIEW

- **One Conductor Per Terminal**
- **Use Copper Wire Only**
- **Wire Size: 28 to 16 AWG**
- **Tightening Torque: 5 KG -CM**
- **Wire Temperature Rating: 105°C Minimum (Sized for 60° C ampacity)**

6 Dimensions

5.442 / 138.24

3.422 / 86.92

.063 / 1.60

5.442 / 138.24

1.378 / 35.00

Power input: 10 to 30 VDC, 16W maximum, Class 2 Input
Surrounding Air Ambient Temperature: -40 to 80° C

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