



Manzanita Micro RCK Remote Current Knob Owner's Manual Rev 0.2

Manzanita Micro chargers have always been famous for the easily adjustable amperage control knob on the front of the charger. Most other non-Manzanita chargers on the market do not have the ability to easily adjust the amperage being drawn. By being able to adjust the charger's input amperage, the user can quickly turn the charger down when plugging into a standard 15A 120V wall outlet and then easily turn it up to pull maximum power from a 30A 240V public charge station or dryer outlet or a 50A 240V RV outlet. But what happens if the user wants to bury the charger deep in the electric vehicle somewhere? How would someone be able to reach the amperage knob to make easy on-the-fly adjustments?

Now there is a solution and it is the Manzanita Micro Remote Current Knob or RCK. The RCK is a simple box with an LED, a toggle switch and a knob. There are two holes for easy mounting and a cable which connects to a special port on the rear of the Gen 3 PFC battery chargers. This port can also be installed on any earlier model of charger if the user sends the charger back to the factory for the modification.

The main RCK box is only about 1.5" x 3" on its mounting face and less than an inch deep (excluding protrusions). The RCK box was designed to be able to panel mount to a mostly flat

surface such as a vehicle instrument panel or dashboard. Please refer to figure 02 for hole sizes and locations.

The operation of the RCK is very simple. Make sure the RCK cable is plugged in to the rear port on the Manzanita Micro PFC charger (the white arrow on the cable connector should line up with the white triangle on the charger's connector). When looking at the RCK's main control face, the toggle switch is on the left below the green LED and the amperage control knob is to the right. When the toggle switch is in the OFF position, it is pointing toward the knob and the LED is also off. In the OFF state, the PFC Charger's own current control knob will provide the means for amperage adjustment. When the toggle switch is in the ON position, it is pointing away from the knob and the green LED is illuminated. While in the ON state, the RCK will provide the means for amperage adjustment. Full counter clockwise is no current and full clockwise is full current. When the RCK is enabled, the PFC charger's own front face plate amps knob will not function.

WARNING! It is good practice to always turn the remote current knob down to its full counter clockwise position before and after every use. That way, if the RCK toggle switch is accidentally enabled it won't suddenly command the charger to draw a large amount of power.

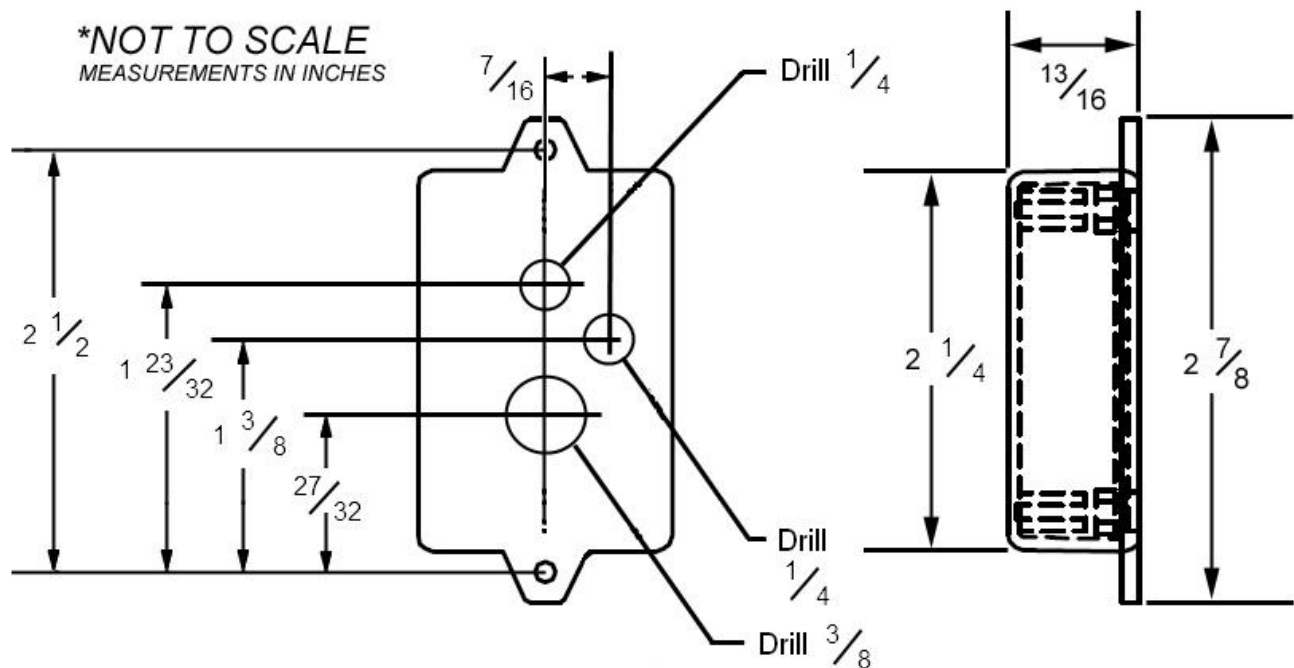


figure 02 : RCK Case Dimensions and Mounting Hole Relationships