Mounting:

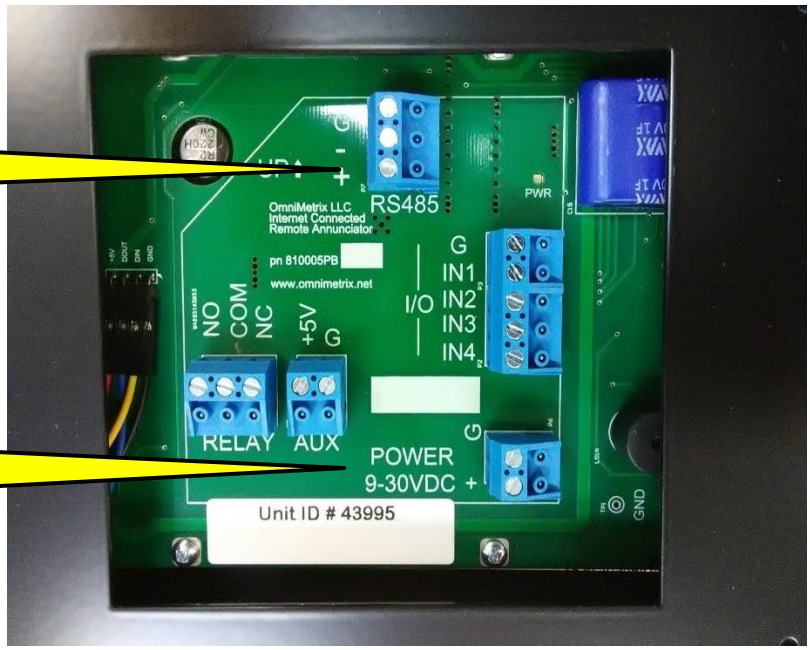
The OmniMetrix® Annunciator is designed to mount onto a flat surface (On-Wall Mount) or with the electronic assembly recessed within a wall/panel cavity (In-Wall Mount). Template number IN-1304 can be used to properly locate the required four mounting points, as well as locate and size the rectangular cutoutsfor either configuration. Power, data, and control wiring are accessed at the rear of the electronic housing. Complete the wiring connections to the Annunciator before securing to a flat mounting surface. Four self- tapping screws (OMNI #810002) are provided for installation onto drywall/sheetrock. It is not required or recommended to open the Annunciator enclosure for the purpose of mounting.

Secure the included antenna to the SMA connector located on top of the Annunciator frame. The providedantenna can work for both On-Wall and typical In-Wall installations. If In-Wall installations do not allow forenough signal strength to the antenna, OmniMetrix recommends OMNI #100650, 30 ft. antenna extension cable, which allows the antenna to be located in a remote location for better reception.

Rear Access Wire connections:

Green wire = RS485 Data -
White wire = RS485 Data +
(Twisted Pair)

Black Wire = 0 VDC-
Red Wire = Power 12/24 VDC+
(Supplied from Generator Battery)



(See Wiring Diagram, Page 2)

Power On instantly occurs when the 12vdc power source is connected to the Annunciator and madeactive. There is no power on button.

Once DC power is applied, it may take a few minutes for the Annunciator to log onto the OmniMetrixremote server. The display will show a series of operations occurring during Power On and will ultimately display a line of data that reads, “login to server: true”.

Alarm message: The display flashes red, sounds an audible alarm and displays, “Alarm” when the Controller outputs an alarm fault. Touch the display screen to clear the alarm.

Press the **Menu** button to view the various operating modes and/or diagnostics displays. TheAnnunciator User Guide number IM-1302 offers details on setup and operation.

Contact OmniMetrix Tech Support for any additional assistance: 770-209-0012.

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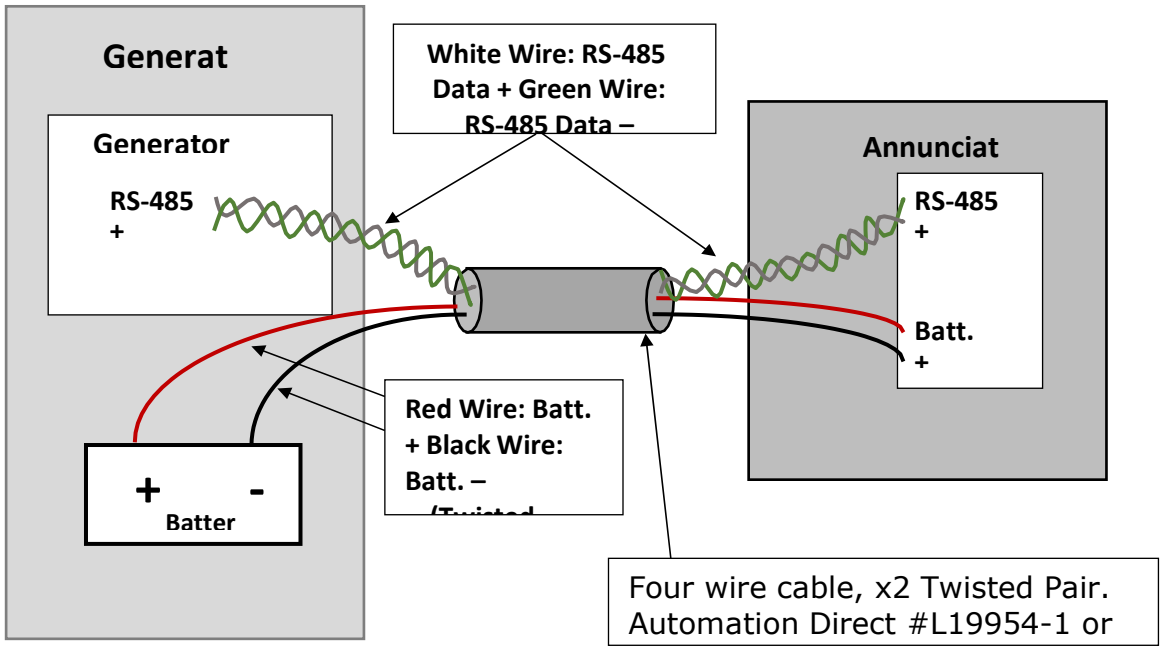

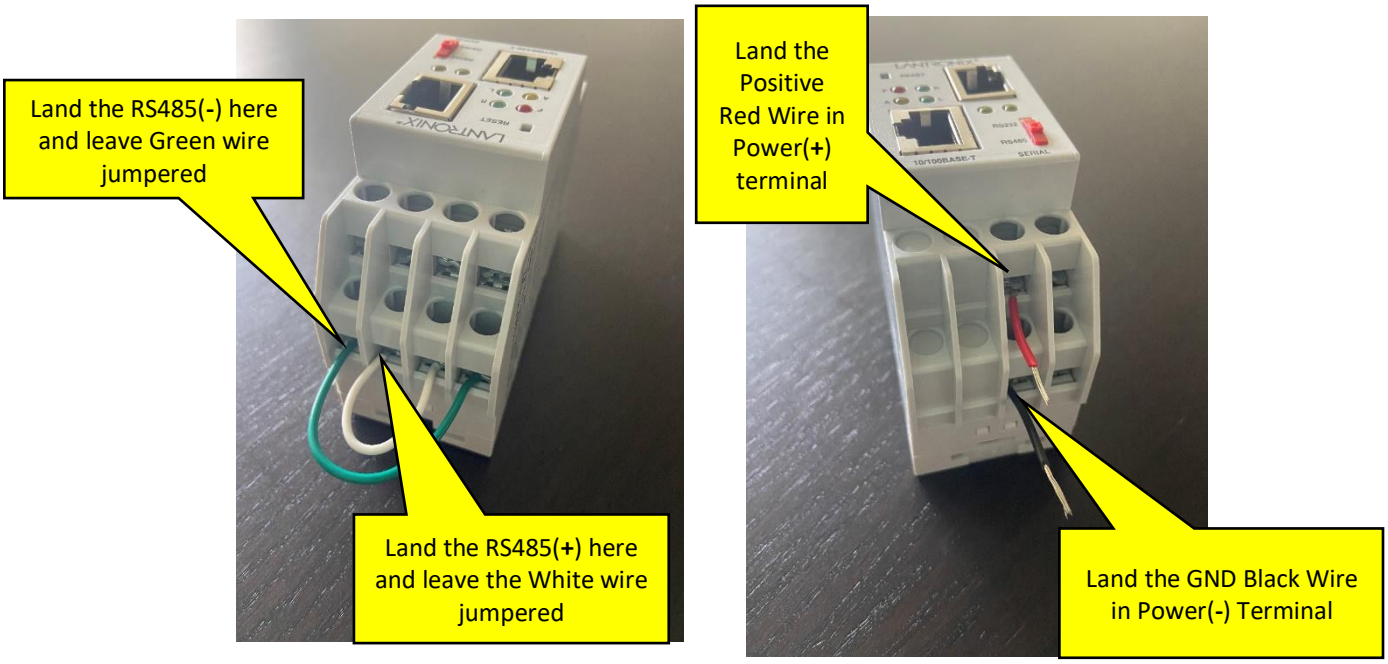

On the Lantronix module, it should be kept in mind that the White(+) wire needs to be jumpered in both CTS Rx+ and RTS Tx+, and the Green(-) wire needs to be jumpered in both RxD Rx- and TxD Tx- (as shown in fig above). The Black(GND) wire can go into any one of the "GND" terminals. To provide power to this module, there are four terminals available, two (+) and two (-). Here, you need to connect to any (+) for the Positive Red Wire and its paralleled (-) for GND Black Wire (as shown in figure above). This Lantronix is attached to a DIN Rail & Magnets where you can attach the Lantronix by using magnets or remove the magnets and just use the DIN Rail to attach it wherever you like.

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The OMNI unit is configured for these network values:

IP Address: 10.0.1.202

Subnet Mask: 255.255.0.0

Gateway: 10.0.1.1

For a **single** PZ control, set the following:Modbus Slave

ID = 1

IP Address: 10.0.1.101

Subnet Mask: 255.255.0.0

Gateway: 10.0.1.1 (this is not important)

If **multiple** PZ controls are to be connected, such as in an MPSconfiguration, use the following:

MPS Gen #	Modbus Slave ID	IP Address	Subnet Mask
1	1	10.0.1.101	255.255.0.0
2	2	10.0.1.102	255.255.0.0
3	3	10.0.1.103	255.255.0.0
4	4	10.0.1.104	255.255.0.0
5	5	10.0.1.105	255.255.0.0
6	6	10.0.1.106	255.255.0.0
7	7	10.0.1.107	255.255.0.0
8	8	10.0.1.108	255.255.0.0

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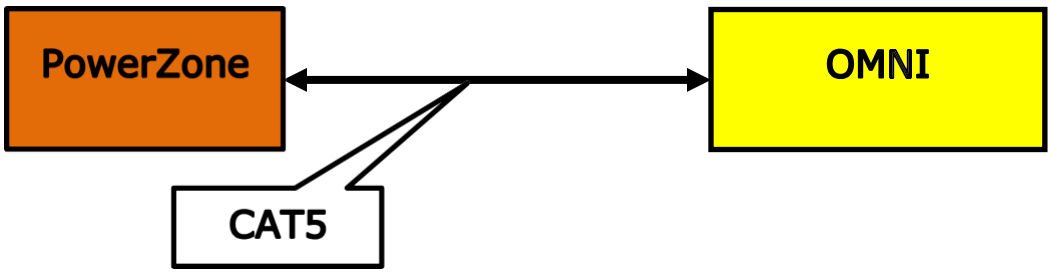
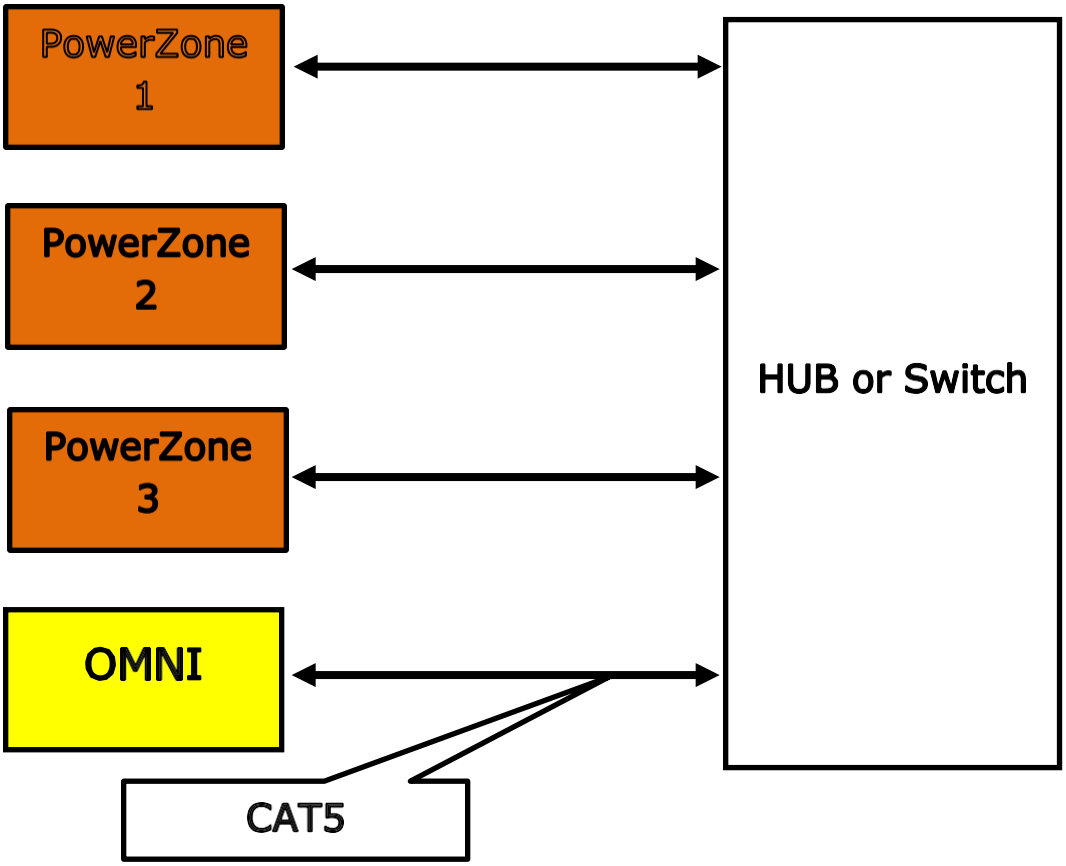
In the case of a **single** PowerZone, simply connect the OMNI and PZ via aCAT5 cable:



In the case of **multiple** PowerZone controls, connect the system using a Hub or Switch as shown. This Hub / Switch should be powered by a gensetbattery or other uninterruptible power source:



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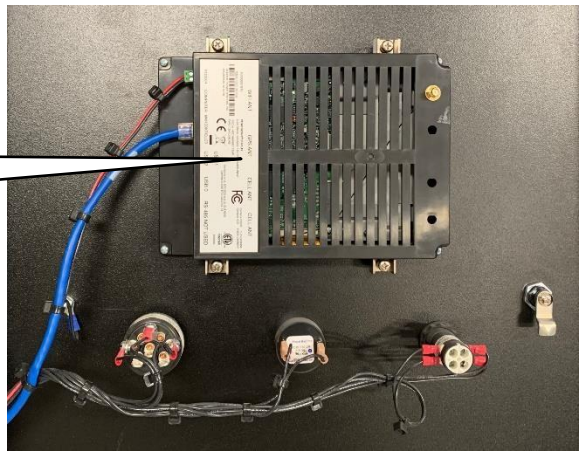
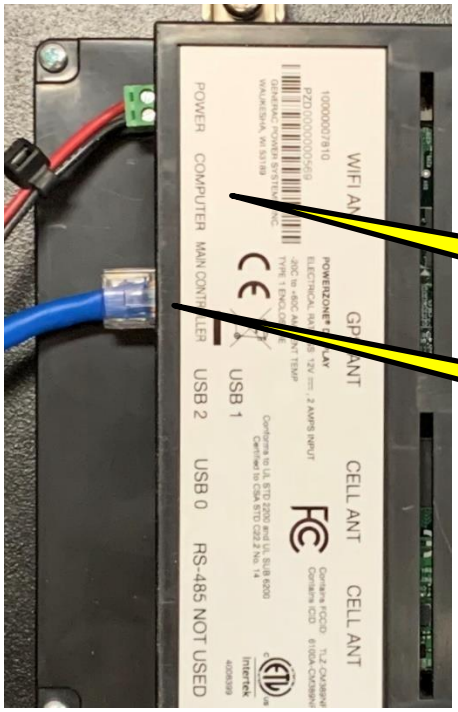
The **PowerZone Synch** has a display that is rectangular, horizontally mounted,and with a nice touchscreen display.

The display will typically be mountedinto a cabinet, as shown here.

The backside of the display, looking fromthe inside of the cabinet, is the point of connection for the OmniMetrix monitor.





The OMNI CAT5 cable goes into the top RJ45 connector, initially labeled "COMPUTER"

Existing Generac CAT5 connection to the main controller

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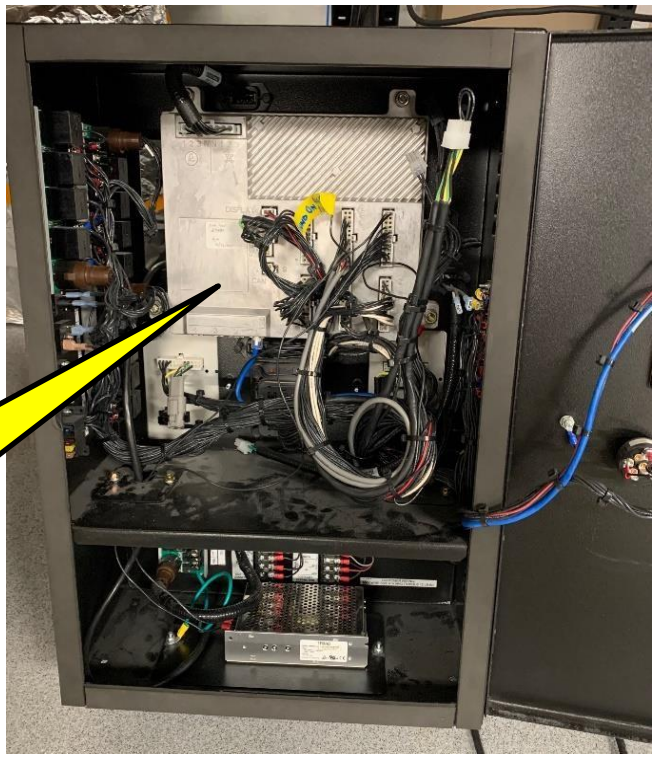
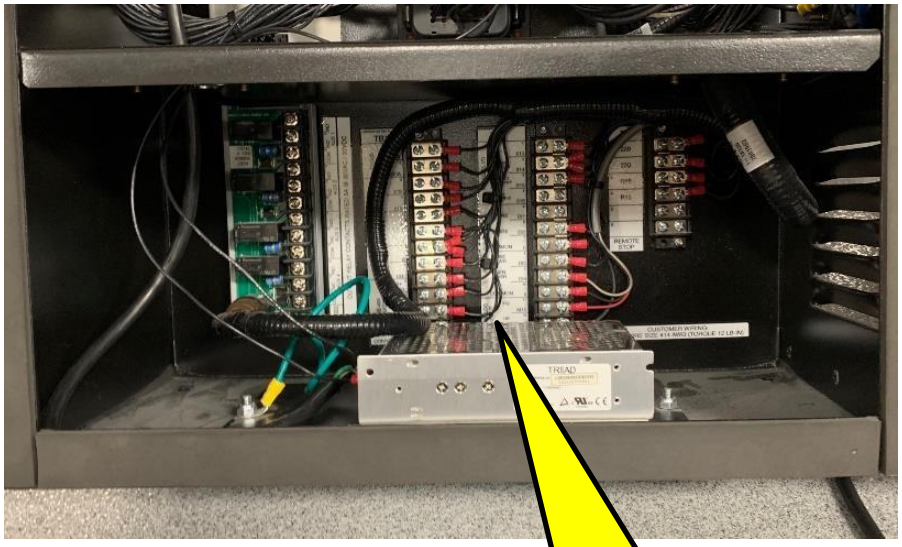
The OMNI unit may mount onto the shelf shown inside the cabinet, on the underside of the top of the cabinet, or on the cabinet door. The OMNI unit should be mounted so that the cables cannot drain water down andinto the OMNI unit.

The antenna cable can route out through thelouvers of the cabinet, and the OMNI power wires (Red and Black) pick up BATTERY+ and DC GND from the customer connection
area at the bottom of the cabinet.



**For reference, this is the PowerZone Synch Control. No connection from the OmniMetrix
monitor is made to this panel.**



Customer Connection Area

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The **PowerZone Pro** looks like the image below. It is somewhat square, and the display is small, consuming only a fraction of the front face of the control:

There should be a small device called the "Connectivity Server", which allows generator techs to configure the control wirelessly. This device, shown to the right, isalso the point of data connection for the control.

Top view of Connectivity Server

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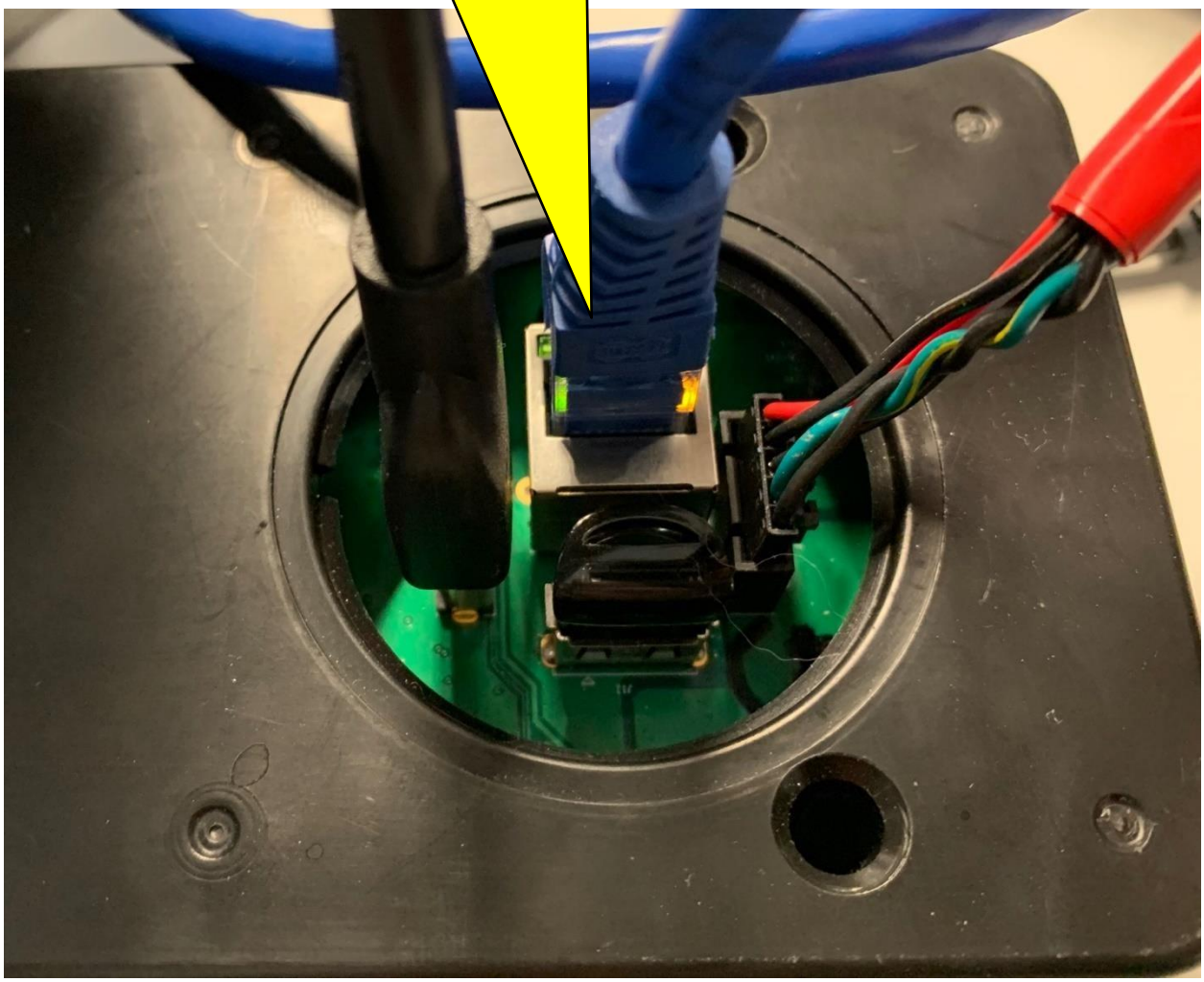
On the bottom side of the Connectivity Server isan RJ45 connector in the center. Plug the OMNI CAT5 cable into this RJ45.



Attach the OMNI power wires, Red and Black, to generator Battery + and – respectively.

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