Title:	Two AC Power Connectors			ID:
				0396
Date in:	**Response:**	**Model:**	**Author:**	
2018-10-31	*2018-10-31*		*CMa*	

Q:

We noticed that with last incubator we installed Liconic had changed to an entry panel with two AC power connectors (labeled #1 below).
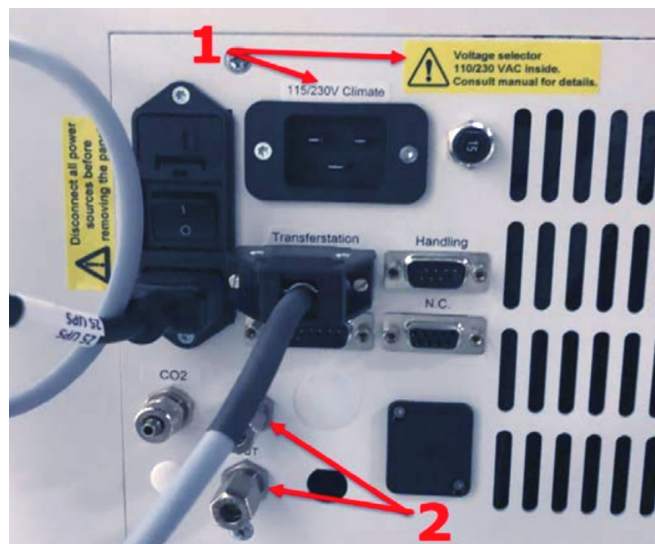
Should both power receptacles be plugged in for all locations or should the IEC C19 receptacle only be plugged in Europe?
We would like to be prepared to provide our customers with fuses for the IEC C19 receptacle. What is the part number for the fuse?
I am working on improving our documentation and making sure we have all the cables we need for integrations, and prevent unnecessarily duplicating cables. Can you provide a list of the cables that ship with each incubator?

A:

On some units there is a low-power and a high-power receptacle. The low-power receptacle feeds the handling and the logic of the instruments, the high-power receptacle feeds the climate system of the instrument. The power on the low-power receptacle in the magnitude ~100W while the power on the high-power receptacle may be >1kW. The elements on the low-power receptacle are very sensitive to power outages and are recommended to be connected to a battery powered UPS. The elements connected to the high power receptacle accept power outages of several minutes without significantly affecting the instrument's climate. The high-power receptacle may therefore be connected to a Diesel powered UPS.

The internal voltage selector is implemented in units with a second high current receptacle only. We use this type receptacle for units with large 115-Volt compressors because overheating of the of the standard receptacle has been reported by US.

The low-power receptacle is connected to a wide-range power-supply that accepts 100-240VAC. Though the voltage selection on the low-power receptacle on units with two power receptacles is not mandatory, we still strongly recommend to set the correct voltage on the low-power receptacle too.

For proper operation, both receptacles must be connected at all times regardless of the territory of operation.