ECU-P2 Troubleshooting Guide

Symptom	Cause	Solution
White LED does not light up, ECU-P2 is not powered. The ECU-P2 is powered over USB from a USB power supply or PC/laptop. It requires 5V with at least 500mA current capability.	The power supply might be broken, or the voltage output is too low.	Try a different power supply or USB port on your PC/laptop.
	The USB cable used to connect the ECU-P2 to the power supply might be broken.	Try a different USB cable.
	The PC/laptop automatically disabled the USB port to save energy. This can happen when the PC/laptop is turned off or its battery is low.	Connect the battery charger and turn the PC/laptop on.
White LED flashes, USB current exceeded limit set by power supply. The ECU-P2 continuously monitors its power supply current and disables all outputs if this current is higher than allowed by the power supply/PC/laptop. It follows the specification set by the USB battery charging protocol.	The USB cable used does not meet the USB specification. This leads to a USB current limit of 100 mA that is not enough to switch memetis valves.	Try a different USB cable.
	The power supply used does not support USB battery charging. The USB data lines are used to determine how much current can be drawn from the USB power supply.	Try a different USB power supply.
	If the PC/laptop is in power saving mode it can limit the current drawn from its USB ports. This limit might not be enough to switch the valves.	Connect the battery charger or try an external USB power supply.
Blue channel LED flashes, output current is not in regulation. The ECU-P2 continuously measures the actual output current on each channel and compares it with the output setpoint.	If the valve is not connected, no current will flow once a channel is enabled.	Connect a valve.
	The valve might be broken, and no current can flow.	Try a different valve and contact us via support@memetis.com
	The cable used might be broken, and no current can flow.	Try a different cable or contact us via support@memetis.com
No ECU-P2 found by Python library when using USB. The ECU-P2 uses the chip CP2102N from Silicon Labs. A driver is provided by SiLabs and needs to be installed to allow communication over USB from a PC/laptop.	SiLabs VCP driver not installed.	Download and install the driver for your operating system from https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers.
	USB cable used that does not meet the USB specification.	Try a different USB cable.

Contact information