USB CPI Clip Driver Download
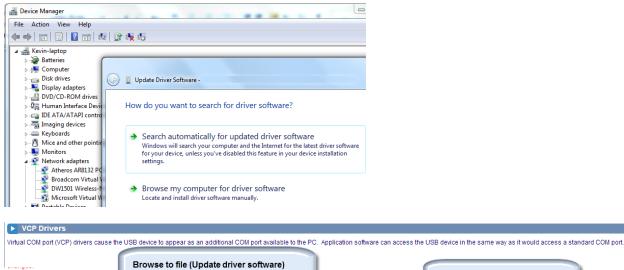
Download the driver from this link: https://www.ftdichip.com/Drivers/VCP.htm

You have two file installation options:
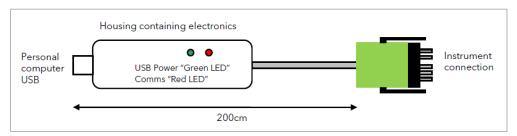
1) Exacutable file (the link on the right)

2) Driver update file that is access from the computers Device Manager driver software update (the left link)

1. Description

The CPI clip allows configuration and back up of Eurotherm 3000, piccolo and nanodac series of panel mounted instruments and mini8 rack mounted controller. It supplies power to the instrument derived from the USB port of the host computer so that it can be used without the need for a power connection.

It designed to clip into the side of a controller or indicator as shown or into the back of a mini8 controller.

For panel mounted instruments, the cable can be used with the instrument powered or un-powered and with the instrument mounted or un-mounted in its sleeve. The benefit of using this arrangement is that an instrument can be un-plugged from the panel in which it is normally operated and re-configured on a bench without the necessity to provide either a spare sleeve or external power.

When used with the Mini8 multi loop control system it is necessary to power the Mini8 unit since the current requirements are greater than that provided by the USB port.

The clip is intended to be used with the Eurotherm configuration package, iTools, or using the firmware upgrade tool. These are described in sections 5 and 6 respectively.

1.1 Hardware Features

Usb Connection

The USB connection is made with a male Type A plug.

Pin Functions

Pin Number	Name	Function
1	Vbus	Power
2	D-	Data -
3	D+	Data +
4	Gnd	Ground

Instrument connection

The cable connects to the instrument by a 5 pin configuration clip with a custom plastic insert and a shell. The pin description is shown below,

1. Provides +7.5V power to the instrument.
2. Comms Tx. (UART driven output from product micro)
3. Comms RX (input to product micro UART receive)
4. Ground power connection.
5. Provides +5V power to the instrument.

Pin 5. +5V
Pin 4. Gnd
Pin 3. Rx
Pin 2. Tx
Pin 1. 7.5V