



**ADDAC310
Pressure
To CV
Module**



ADDAC System ADDAC310 Pressure To CV Module User Guide

[Home](#) » [ADDAC System](#) » ADDAC System ADDAC310 Pressure To CV Module User Guide 

Contents

- [1 ADDAC System ADDAC310 Pressure To CV Module](#)
- [2 CONTROLS DESCRIPTION](#)
- [3 HOLD FUNCTION](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)
- [5 Related Posts](#)



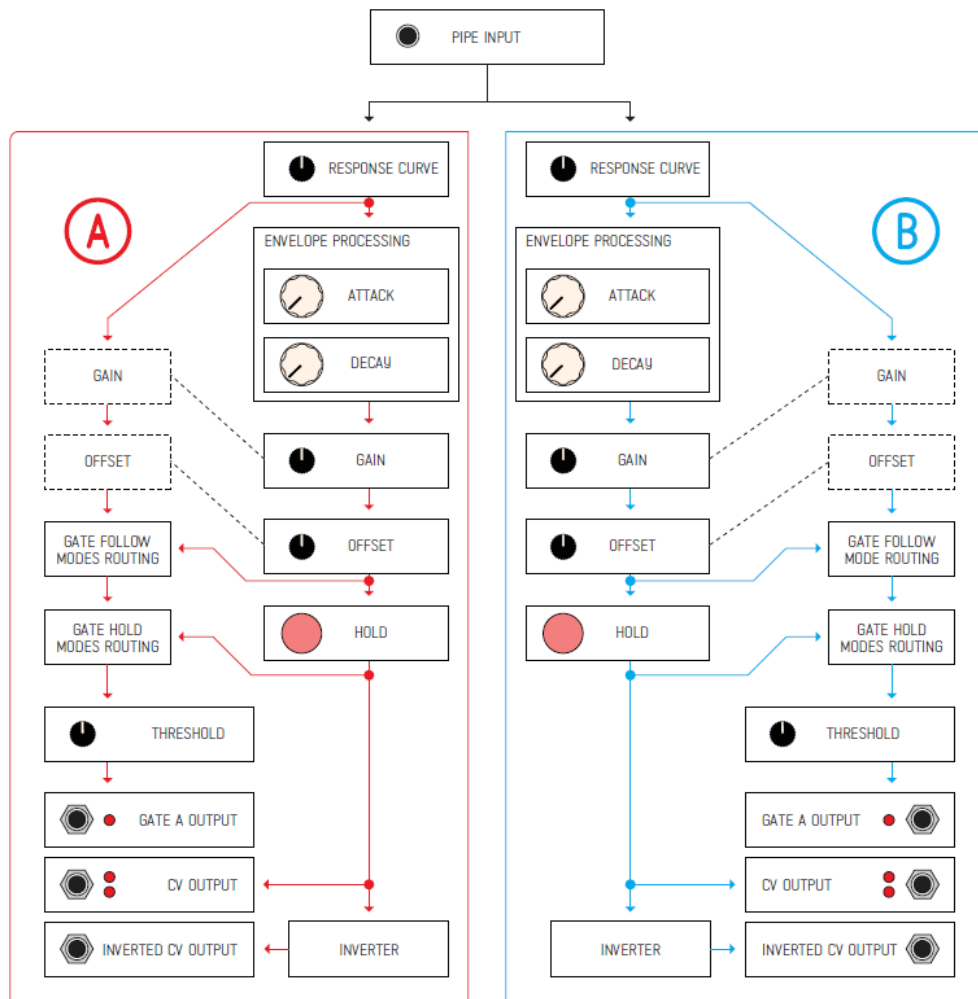
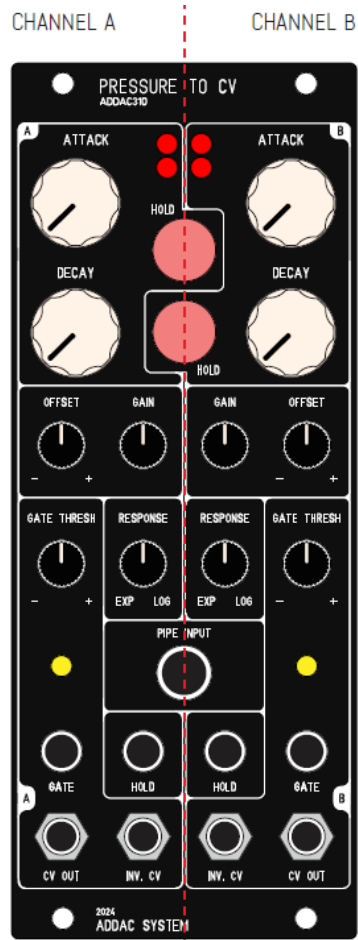
ADDAC System ADDAC310 Pressure To CV Module



WELCOME

This module expands our line of expressive controls, it follows the heritage of wind/breath controllers with one major difference, the pipe has no air escape creating pressure inside the tube controlled by the user's mouth. For a seasoned woodwind or brass musicians this working principle may sound unorthodox, however this way pressure can be controlled for longer without the need to breath in or learning circular breathing techniques. It's relatively easy to control the pressure in your mouth while still breathing through the nose.

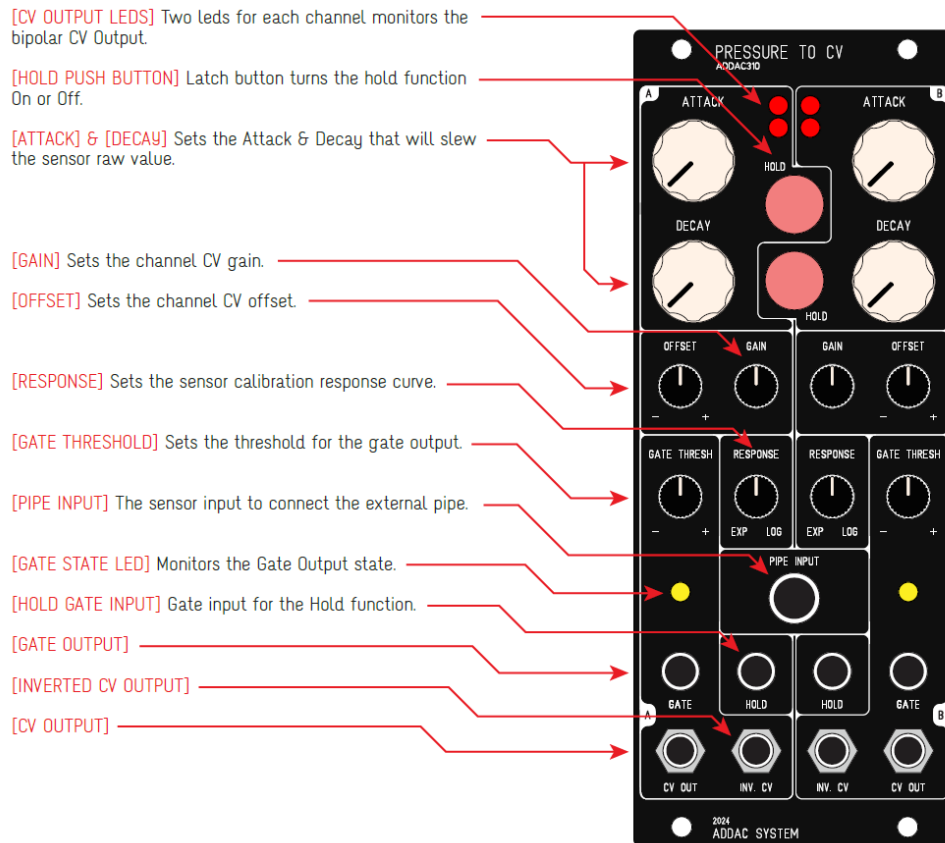
The module is provided with a standard melodica pipe which connects to an air filter (providing a receptacle for condensation to form and isolate the sensor) and lastly connects to the module frontpanel. The signal captured by the sensor is then sent to two independent sections with exactly the same functions as seen in the signal flow diagram below. As an example the two sections can be used with different settings to independently control the VCA and VCF of any standard analog voice patch.



Tech Specs:

- 10HP
- 4.5cm deep
- 70mA +12V
- 40mA -12V

CONTROLS DESCRIPTION

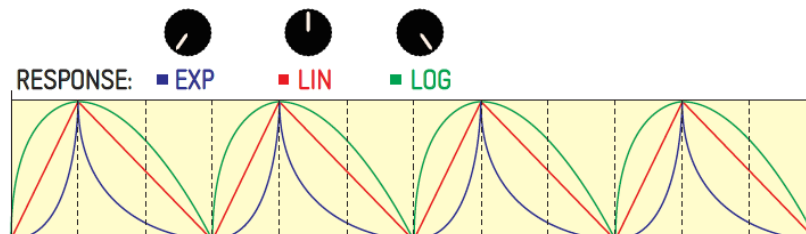


PIPE

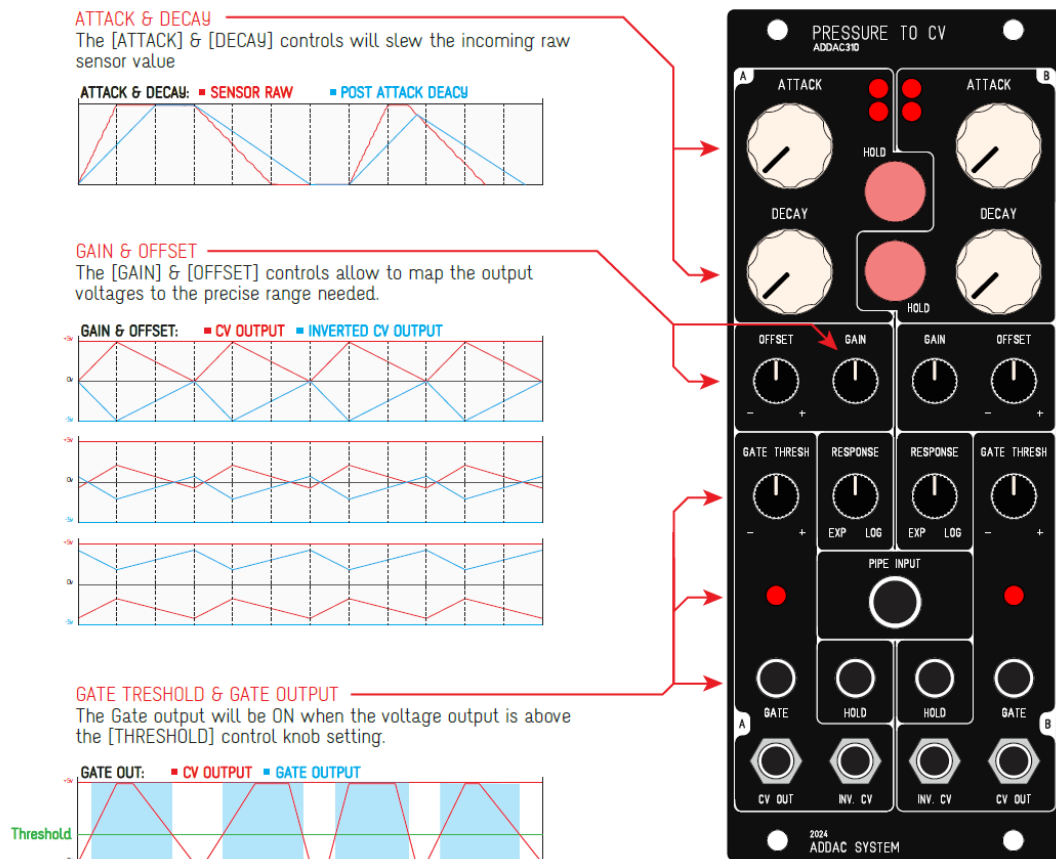
We're using a standard Melodica pipe into an air filter that will keep condensation away from the sensor. The air filter is then connected to the frontpanel sensor input using a silicone tube.

SENSOR CALIBRATION

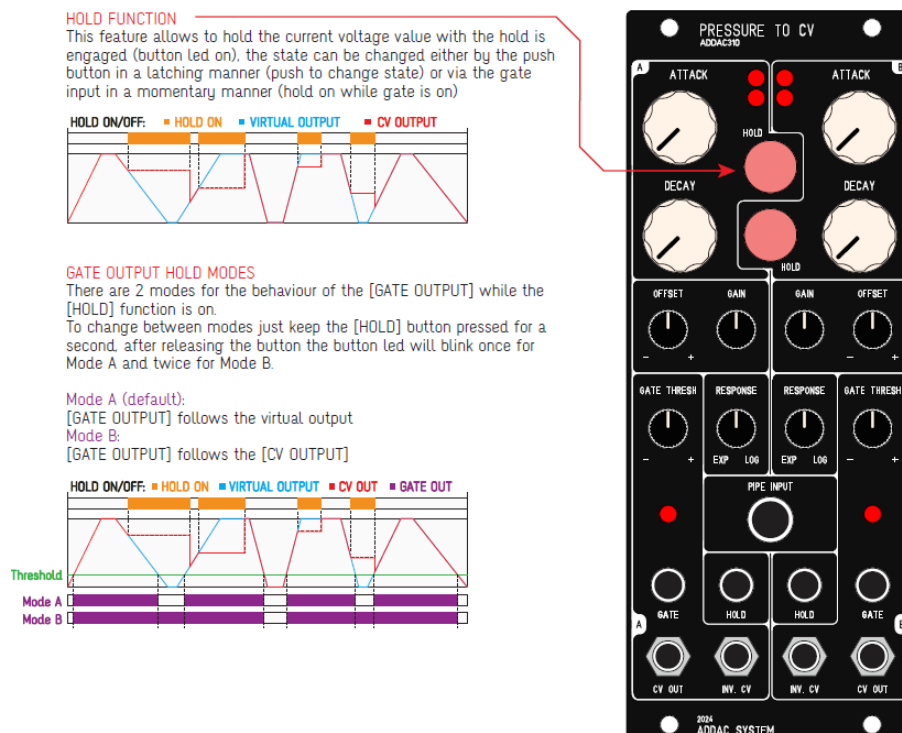
[RESPONSE] is the main control to calibrate the pressure curve, the knob goes from exponential to logarithmic with linear at 12 o'clock. Exponential will be more reactive to high pressures, logarithmic to lower pressures.



ATTACK & DECAY



HOLD FUNCTION



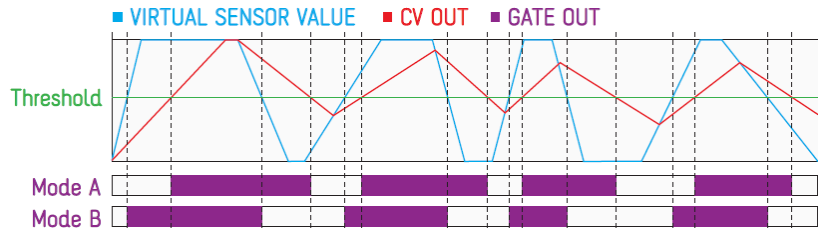
GATE OUTPUT FOLLOW MODES

There are 2 modes for the behaviour of the [GATE OUTPUT] depending what the Gate is following. To change between modes quickly press twice the channel button you want to change. The button led will blink once for Mode A and twice for Mode B.

Mode A (default):

[GATE OUTPUT] follows the module [CV OUTPUT] **Mode B:**

[GATE OUTPUT] follows the sensor value before the Attack and Decay slew is applied.



For feedback, comments or problems please contact us at: addac@addacsystem.com

Documents / Resources



[ADDAC System ADDAC310 Pressure To CV Module](#) [pdf] User Guide
ADDAC310 Pressure To CV Module, ADDAC310, Pressure To CV Module, CV Module, Module

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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