# CADM2 – CRYO ACTUATOR DRIVER MODULE 2

## Features

- Quadratic set point profile to reduce vibrations
- Temperature dependent setpoint compensation
- Analog input (for external DAQ system)
- Short circuit and overcurrent protection
- Thermal overload protection
- Status LEDs on front panel
- Fits in Base Cabinet (CAB)

## Description / Applications

The Cryo Actuator Driver Module 2 (CADM2) can drive one piezo based positioner or actuator by generating a high voltage setpoint profile. This setpoint profile can be adjusted in direction, step size and frequency as well as be compensated for the operating temperature of the positioner or actuator. The module needs to be installed in the Base Cabinet (CAB). Operating the module can be done in separate ways: via Basedrive, Servodrive or Flexdrive control using the analog input function.

## Specifications

| | |
|---|---|
| **General info** | |
| Output channels | 1 |
| Compatible with | JPE CNP piezo based positioners and actuators |
| Power supply via | CAB |
| Dimensions | 3U / 14HP |
| Weight | 850 g |
| **Output** | |
| Voltage range | -30V to +120V *(floating output, reference must not be connected to common ground (!))* |
| Frequency range | 1 to 600Hz |
| Step size range | 1% to 100% of max. output |
| Connector | LEMO EPG.1B.303.HLN |
| **Input** | |
| Voltage range | -10V to +10V *(Output Frequency and Direction as function of input voltage)* |
| Connector | BNC |
| **Control** | |
| Modes of operation | Basedrive, Servodrive or Flexdrive *(all via CAB interface)* |

## Ordering Information

### Available models

| | |
|---|---|
| CADM2 | Cryo Actuator Driver Module 2 |

### Available Options

None

### Accessories

| | |
|---|---|
| ACL | Ambient Cable, 3m with connector for CADM2 or PSM |
| I1-ACL | Ambient Connector Kit for 6x ACL to 15 pins D-sub feedthrough |

### Mechanical and electrical information

Download 3D step files and manuals from:
https://www.jpe-innovations.com/cryo-nano-products/

### Contact

For quotations, specials, or engineering services, please contact us at:
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