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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:
https://www.jpe-innovations.com/contact/

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