

ENDSWITCH DETECTOR MODULE (EDM)



Features

- 6 optical switch (photo interrupter) inputs
- 8 general purpose digital inputs
- 3 general purpose analog inputs
- Simultaneous readout of inputs (per type of input)
- Power reduction for optical switches
- Status LEDs on front panel
- Fits in Cryo Actuator Base Cabinet (CAB)

Description / Applications

The Endswitch Detector Module (EDM) can be used with actuators and systems equipped with optical switches (photo interrupters) that are used for end-switch detection. Each module can read up to 6 photo interrupters simultaneously. Furthermore, the EDM has 3 general purpose analog inputs and 8 general purpose digital inputs which makes the module also useful for self-built customer setups. The module needs to be installed in the Cryo Actuator Base Cabinet (CAB). An ambient connector kit (I1-EDM) is also available for easy access to inputs in order to speed up prototyping.

Specifications

specs	unit	EDM
Optical switch inputs	-	6
Compatible with	-	General purpose photo interrupters with typical I_f of 10mA to 20mA
Power reduction	-	PWM duty cycle adjustment of drive signal
Optical switch connector	-	15p high-density female D-SUB (DE type)
Auxiliary inputs	-	8 digital, 3 analog
Auxiliary inputs sample rate	samples/s	> 100
Auxiliary inputs impedance	k Ω	100
Analog input resolution	bit	16
Analog input range	Vdc	0 to 5
Digital input range	-	TTL compatible logic
Auxiliary input connector	-	15p female D-SUB (DA type)
Power supply via	-	CAB-115 or CAB-230
Mass	grams	550
Dimensions	-	3U/14HP

Mechanical and electrical information

Download 3D-Step files, interface drawings and user manuals from:
<https://www.jpe-innovations.com/cryo-nano-products/>

Contact

For quotations, orders, customization or specials, please contact us at:
<https://www.jpe-innovations.com/contact/>

Ordering Information

EDM

1-EDM

Endswitch Detector Module

Ambient Connector Kit for EDM



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