

EDM – ENDSWITCH DETECTOR MODULE



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 Base Cabinet (CAB)

Description / Applications

The Endswitch Detector Module (EDM) can be used with positioners, 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 Base Cabinet (CAB). An ambient connector kit (I1-EDM) is also available for easy access to inputs in order to speed up prototyping.

Specifications

General info	
Power supply via	CAB
Dimensions	3U / 14HP
Weight	550 g
Optical Switch Inputs	
Number of 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
Connector	15p high-density female D-Sub (DE type)
Auxiliary Inputs	
Number and type of inputs	8 digital, 3 analog
Input sample rate	> 100 samples/s
Input impedance	100k Ω
Analog input resolution	16 bit
Analog input range	0 to 5 V _{DC}
Digital input range	TTL compatible logic
Connector	15p female D-Sub (DA type)
Control	
Modes of operation	Basedrive (via CAB interface)

Ordering Information

Available models	
EDM	Endswitch Detector Module 2
Available Options	
None	
Accessories	
I1-EDM	Ambient Connector Kit for EDM
Mechanical and electrical information	
Download 3D step files and manuals from: https://www.jpe-innovations.com/cryo-nano-products/	
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For quotations, specials, or engineering services, please contact us at: https://www.jpe-innovations.com/contact/	