CATHODIC PROTECTION

ZIO-CPM
Cathodic Protection Monitor

Monitor critical Cathodic Protection Parameters safely over SCADA

ZIO-CPM is designed to measure critical CP parameters such as Structure to Reference, Foreign Structure to Reference and Instant Off potentials automatically.

ZIO-CPM offers multi-function 4-20mA outputs and RS485 MODBUS scada connection for monitoring the parameters measured at the programmable intervals.

Wide input voltage range allows ZIO-CPM to be powered with 12-50 VDC. Reverse polarity protection assures modules connection safety. ZIO-CPM also offers 4 Digital Inputs for general purpose usage.

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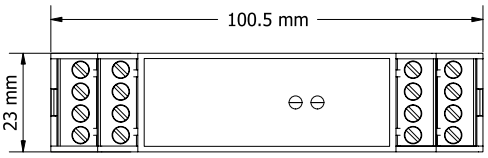
İvedik OSB. 1468.cad. No:60 Yenimahalle/ANKARA
+90 312 386 04 04 / +90 312 386 04 02
info@4zelektronik.com www.4zelektronik.com / www.forze.com.tr
/4zelektronik

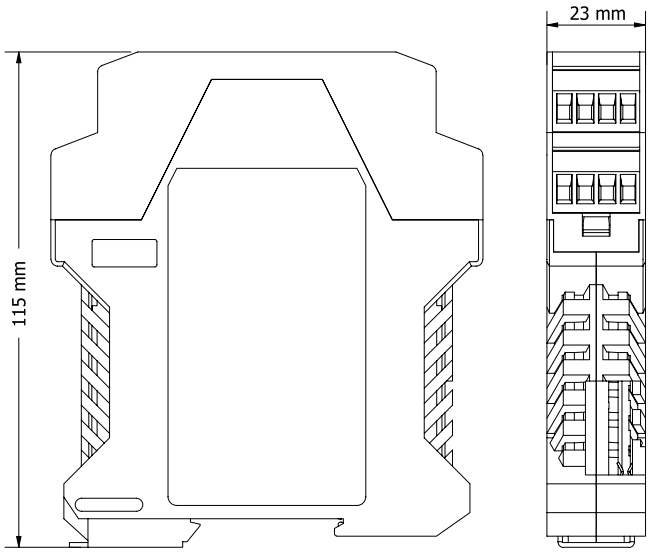
CATHODIC PROTECTION

Zio can transfer the measured data
to the SCADA system over either 4-20 mA
Analog Outputs or through RS485 MODBUS

Technical Specifications

Model	ZIO-CPM-10	ZIO-CPM-5
Supply Voltage	12-50VDC	
Reverse Polarity Protection	✓	
Input Current	<1A	
Number of Analog (AI) Inputs	2 (Selectable)	
Analog Input Range	±10 VDC	±5 VDC
	±7 VACrms	±3.5 VACrms
Input Protection	500V	
Burst/Surge Protection	✓	
Input Impedance	10Mohm	
Measurement Accuracy for DC	0.5%+20mV	
Measurement Accuracy for AC	2%+0.1V	
Resolution	5mV	2.5mV
Number of Digital (DI) Inputs	4	
Galvanic Isolation	✓	
Dielectric Withstand Voltage	1000VAC 60s.	
Digital Input Voltage Range	15-30VDC	
Number of Analog (AO) Outputs	2	
Analog Output Type	4-20mA	
Analog Output Supply	External	
Analog Output Load Range	0-1000Ohm	
Analog Output (AO1) Data	Multiple Functioning	
Analog Output (AO2) Data	Multiple Functioning	
Analog Output 1 Mapping (DC)	4mA – 4.5mA=-OL	
	5mA=-10V	5mA=-5V
	12mA= 0V	
	19mA=+10V	19mA=+5V
	19.5-20mA= +OL	
Analog Output 2 Mapping (AC)	4mA= 0V	
	20mA=7VAC RMS	20mA=3.5VAC RMS
Digital Communication	RS485 MODBUS RTU	
Communication Speed	9600BPS	
Over Range Alarm	✓	
Operating Temperature Range	-30,+60ºC	
Mounting Style	Din Rail	





* Please note that all products, product specifications and data presented in this datasheet or web site are believed to be free of errors and subject to change without prior notification for continued improvement. It is the users responsibility to ensure the suitability of the product for a specific application.

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