

CURRENT TO PULSE CONVERTER

MODEL: RMG-CPC-2017



SALIENT FEATURES

- Fool-proof design
- User friendly controls
- Robust construction
- Operates over a wide temperature range
- Built in short circuit protection
- Very good dielectric strength
- Rugged engineering design and packaging
- Competitive pricing



Redefining Mechatronics Globally

DESCRIPTION

Current to Pulse Converter, RMG-CPC-2017 is a 24V DC operated electronic instrument that converts current signals i.e. 4.00mA to 20.00mA to 60Hz pulse width modulated (PWM) signals with an amplitude of 13V \pm 5% according to the input current signals. This instrument has other controlled outputs too, which vary in proportion to the inputs.

This Current to Pulse Converter incorporates a two line sixteen character alpha numeric display which shows different output status, in tune with the input signals. This instrument is widely used in process control and process automation sectors and establishments.



SI No	Characteristics	Specified Value
1	Supply Voltage Range	24Vdc ± 10%
2	Input Supply Current	2.00A Max
3	Inputs	
	❖ Analog Input	4-20mA
	❖ Digital Input [optional]	0-24V DC / 0-5 VAC
4.	Outputs	
	(a) PWM Output [Standard]	
	❖ Amplitude	±13V ±5% [0V can be adjusted by TRIMPOT at 12.00mA in AUTO Mode]
	❖ Frequency	60 Hz
	❖ Max. load impedance	300E at 24VDC
	(b) Release Output [Be]	
	❖ Output Voltage [optional]	48V DC ±5%
	❖ Max. load impedance	100E at 24V DC
	(c) Relay outputs	
	❖ Potential Free contacts	a) 1NO + 1 NC contacts for AUTO , MANUAL CLOSE & OPEN b) 1 NO + 1 NC contacts for FALULT condition
5.	Electronic Design Technology	Microcontroller based embedded design
6.	Display	16 Digit, 2 Line, Alpha Numeric Backlight LCD
7.	Output and Fault Indications	Through discrete LEDs
8.	Built in Protection	❖ Reverse Polarity Protection ❖ Short Circuit Protection
9.	❖ Enclosure	Sheet Metal Fabricated Electrostatic Powder coated and oven baked
	❖ Mounting	DIN RAIL adaptor for 35 x 7.5mm Rail channel top hat slotted
10	Dimensions	190mm W x 155mm D x100mm H
11	Weight	< 2.5Kg

In addition, we design and manufacture CPC as per customer requirements / specifications

Note 1 : Due to continuous product improvement initiatives, specification is subject to change.

Note 2: Images provided are for indicative purpose only. Accessories shown are not part of standard supply.

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