

# DC Signal input Module

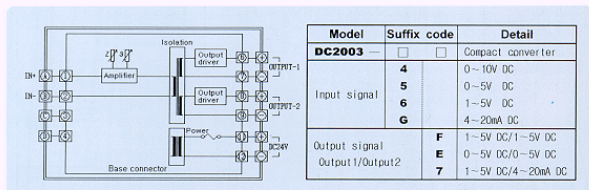


**DC2003** DC Signal input module is a high accuracy converter which accept DC signal as input signal and converts it isolated 2 channel DC output signal.

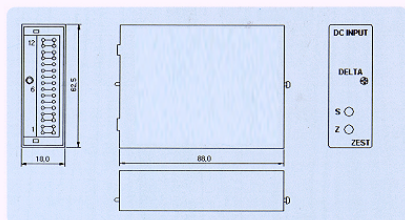
- ◆ Base type with easy maintenance and high density mounting rate
- ◆ isolation between input and output and between output 1 and output 2
- ◆ Embedded fuse on power line.

## ◆ BLOCK DIAGRAM

## ◆ ORDERINT CODE



## ◆ DIMENSIONS



## ◆ MODEL : SC2003

## ◆ SPECIFICATIONS

INPUT	Volt -age	Input type (Specify impedance)	1 ~ 5V DC, 0 ~ 10V DC			
		Input impedance	1M Ω or more			
Curr -ent		Input type (Specify when ordering)	4 ~ 20mA DC			
		Input impedance	250 Ω			
OUTPUT	Output type (Specify when ordering)	OUTPUT - 1	1 ~ 5V DC	0 ~ 5V DC	1 ~ 5V DC	
		OUTPUT - 2	1 ~ 5V DC	0 ~ 5V DC	4 ~ 20mA DC	
	Load resistance	Voltage output : Output drive 2mA maximum (e.g. 1~5V : 2500 Ω [5V/ 2mA]) Current output : Output drive 7V maximum (e.g. 4~20mA : 350 Ω [7V/20mA])				
	Zero adjustments	± 2%				
	Span adjustments	± 2%				
PERFORMANCE	Accuracy	± 0.1% of span (25°C ± 5°)				
	Temp. coefficient	± 0.01% / °C				
	Response time	33msec or less (0 ~ 90%)				
	Line voltage effect	± 0.1% with 10% change				
	Insulation resistance	Between input and output1 and output2 and power: 100M Ω or more at 500V DC				
	Dielectric strength	Between input and [output1/output2/power] : 1 minute at 1500V AC Between output 1 and output2 and power : 1 minute at 500V AC				
GENERAL	Power supply	24V DC ± 10%				
	Power consumption	50mA or less				
	Power fuse	2.2 Ω 1/4W fuse resistor				
	Operating temperature range	0 ~ 50°C				
	Operating humidity	45 ~ 85% RH (No condensation)				
	Storage temperature range	-10 ~ 60°C				
	Storage humidity	95% RH (No condensation)				
	Dimensions	W18 x H62.5 x D88 mm				
Weight	Approx. 100g					

※ NOTE