

DN-844-(50A)(200A)(500A)
4 Channel Current Transformer

Features

- 4-Channel High Current Input Measurement
- Linear Attenuation Ratio
- 4 kV ESD Protection
- 3 kV Surge Protection
- 3000 VDC Intra-module Isolation
- RoHS Compliance
- Operating Temperatures from -25 to +75°C
- Easily Wire Connection



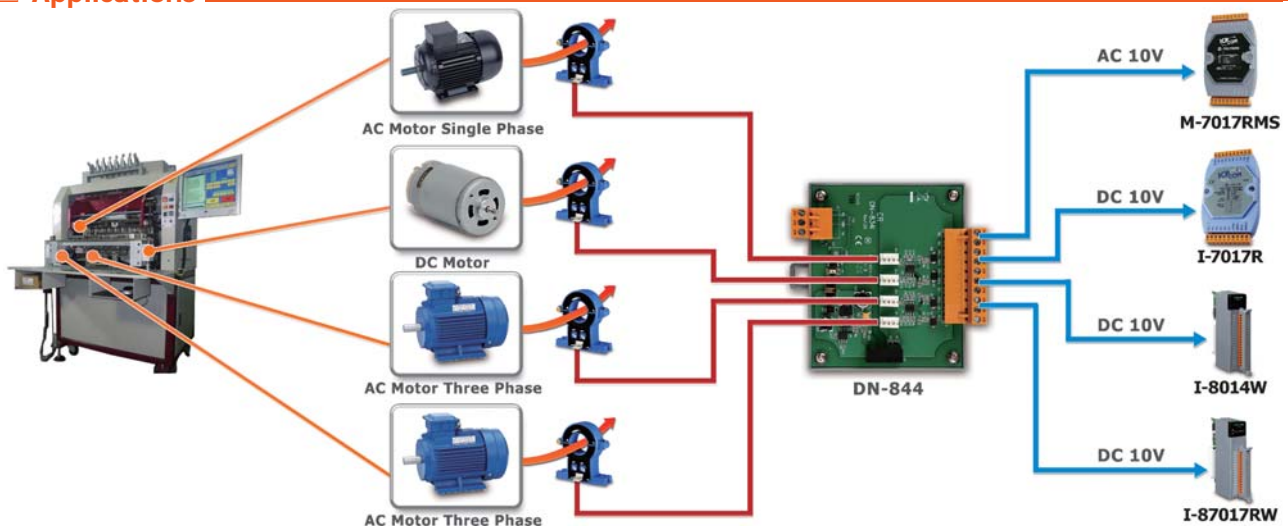
Introduction

The DN-844 is 4-channel current transformer. The maximum current input range is from +/- 500 A can be attenuated to ± 10 V. It provides 3000 VDC intra-modules isolation. It can be used with the analog input modules such as I-7017, I-87017, M-7017RMS and I-87017W-RMS etc. to measure the high current.

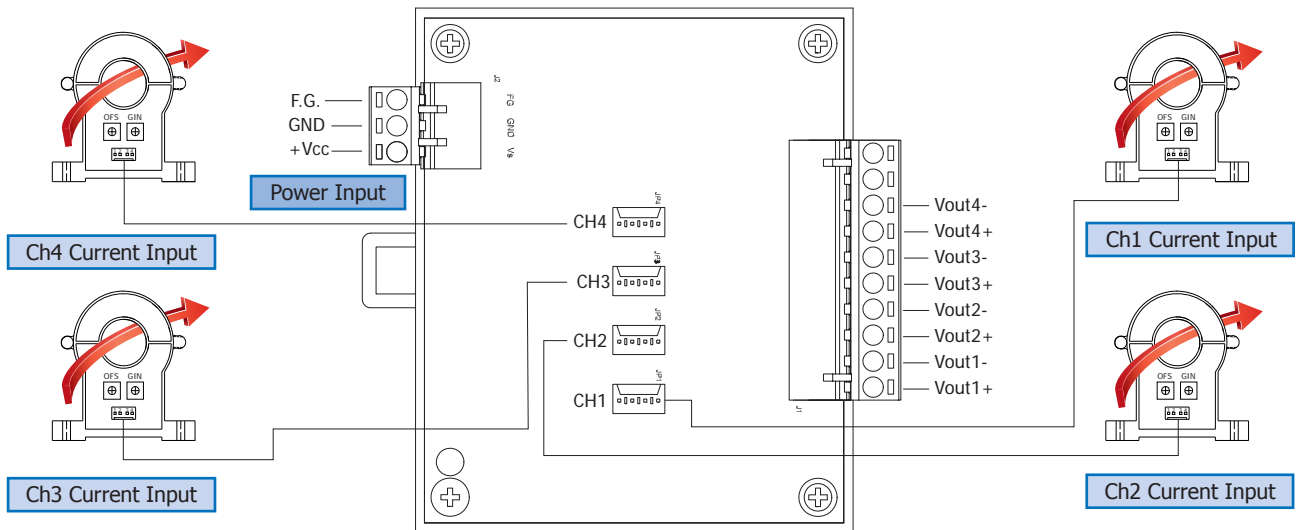
I/O Specifications

	DN-844-50A	DN-844-200A	DN-844-500A
High Current Input			
Channels	4		
Input Type	AC/DC Current		
Input Current Range	± 50 A	± 200 A	± 500 A
Output Voltage Range	± 10 VDC or 10 VAC		
Accuracy of Max. Voltage Output	$\pm 1\%$ of FSR		
Frequency bandwidth	0 ~ 50 KHz		
Isolation			
Isolation voltage	2.5 KV @ 50 (60) HZ/1 min		
Intra-module Isolation, Field-to-Logic	3000 Vdc		
EMS Protection			
ESD (IEC 61000-4-2)	+/-4 kV contact for power line, input and output channels, +/-8 kV air for random point		
Surge (IEC 61000-4-5)	+/-3 kV for power liner		
Power Input			
Input Range	+10 ~ +30 VDC		
Power Consumption	2.3 W		
Mechanical			
Dimensions (L x W x H)	103 mm x 106 mm x 28 mm		
Installation	DIN-Rail or Wall Mounting		

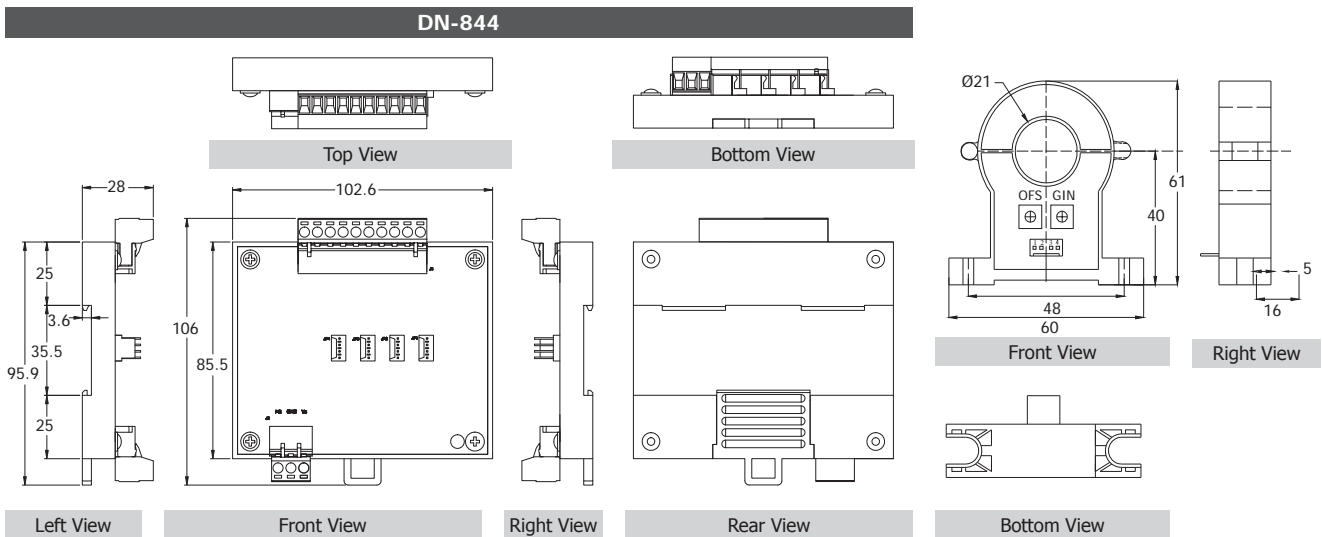
Applications



Appearance






Dimensions (Units: mm)




Ordering Information

DN-844-50A CR	4 Channel Current Transformer (50A)
DN-844-200A CR	4 Channel Current Transformer (200A)
DN-844-500A CR	4 Channel Current Transformer (500A)

Accessories

 CA-040415	4-pin & 4-pin Cable 1.5 M (RoHS)
 MDR-20-24 CR	24 V/1 A, 24 W Power Supply with DIN-Rail Mounting (RoHS)
 I-7017-G CR	8-channel Analog Input Module with DCON Protocol (Gray Cover) (RoHS)

 I-87017W-G CR	8-channel Analog Input Module (Gray Cover) (RoHS)
 M-7017RMS CR	8-channel True RMS Input Module (Gray Cover) (RoHS)
 I-87017W-RMS CR	8-channel True RMS Input Module (Gray Cover) (RoHS)