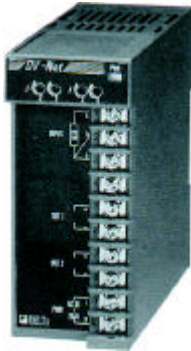


# General Specifications

## HIGH SPEED ISOLATOR



This instrument receives DC voltage and current as input signal and provides conversion output in state that input, output is separated completely. Especially, input & output has built in photo-coupler and power, input & output have built in 3 way isolation circuit separated by transformer.

This is a high accurate converter which is the most compatible to protection of impulse noise, high peak voltage from isolation with field instrument required of high-speed response and from computer interface, etc. Power adopt free voltage. In the mounting method, you can freely select one between DIN RAIL mounting and WALL MOUNTING.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	DC Signal (Current input to be combined through the application of precise resistor shunt)
OUTPUT	DC Current or DC Voltage Signal
ACCURACY	1/4 0.3% Max.
TEMP. COEFFICIENT	1/4 0.02% / °C
LINEARITY	1/4 0.02% F.S
REPEATABILITY	1/4 0.02% F.S
RESPONSE TIME	Less than 1mSec (0-90%)
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V
DIELECTRIC-STRENGTH	Input-Power AC1,000V
	Input-Output AC1,000V
POWER SUPPLY	AC Driven AC85~264V 50-60Hz
	DC Driven DC 24V 1/4 10% 110mA
POWER CONSUMPTION	Less than 7VA
AMBIENT-TEMP	-5~+55°C (20~130°F)
HUMIDITY	Less than 90% RH (no condensation)
LINEARIZER	Standard function
CASE MATERIAL	ABS / PC
COLOR	BLUE
WEIGHT	About 300g
DIMENSION	W42 x H96 x D101mm
MOUNTING	WALL or DIN RAIL
OUTPUT LOAD RESISTANCE	Refer to Attached Technical Sheet.

### ORDERING CODE

MODEL : D V H I - [ ] [ ] [ ] - [ ]

#### INPUT SIGNAL

1 DC 0~10mV	A DC 0~1mA
2 DC 0~100mV	B DC 0~10mA
3 DC 0~1V	C DC 0~16mA
4 DC 0~10V	D DC 0~20mA
5 DC 0~5V	E DC 1~5mA
6 DC 1~5V	F DC 2~10mA
7 DC -10~10V	G DC 4~20mA
0 Other Voltage (Less than 12V)	Z Other Current (Less than 20mA)

#### OUTPUT SIGNAL

1 DC 0~1mA	A DC 0~10mV
2 DC 0~10mA	B DC 0~100mV
3 DC 0~16mA	C DC 0~1V
4 DC 0~20mA	D DC 0~10V
5 DC 1~5mA	E DC 0~5V
6 DC 2~10mA	F DC 1~5V
7 DC 4~20mA	G DC -10~10V
0 Other Current (Less than 20mA)	Z Other Voltage (Less than 12V)

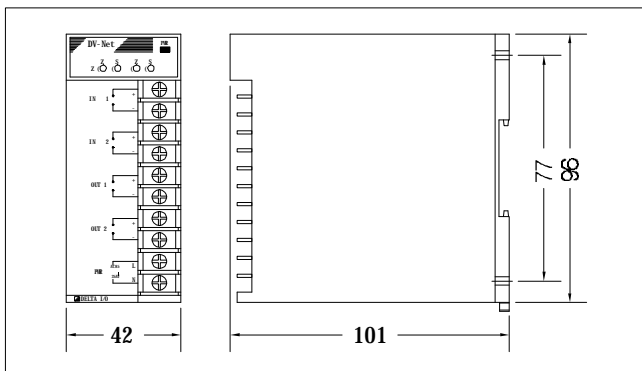
#### POWER SUPPLY

1 AC100V ~ 240V	2 DC 24V
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#### I/O ISOLATION

G : General Y : Isolation

### DIMENSION



### WIRING DIAGRAM

INPUT		OUTPUT		POWER	
1	+	5	+	9	L(+)
2	-	6	-	10	N(-)
3	NC	7	NC		
4		8			