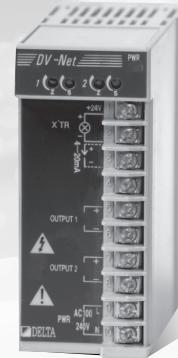


# 1&2 ISOLATED OUTPUTS CONVERTER

## ■ FEATURE

- 1&2 Isolated output
- Actualization of high accuracy
- Free voltage power(AC85~264V)/ DC24V
- CE Apporved

**DV-SERIES**



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# General Specifications



## 1&2 OUTPUT SIGNAL ISOLATOR & POWER DISTRIBUTOR 1&2出力 信號絕緣 變換器 & 傳送器用 電源

This instrument is a high and accurate converter that provides simultaneously all transmitters such as pressure transmitter, flow transmitter, and level transmitter with power supply and signal conversion. Also, It contains overcurrent and overvoltage protection circuit inside.

It is totally isolated between input signal from transmitter and output signal of a converter so it does not need extra isolator when the loop is constructed. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
OUTPUT RATING SUPPLY TO X' TR	DC 24V 30mA Max, Ripple : less than 0.1Vp-p	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.1\%$ Max,	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
	1 Minute	
POWER SUPPLY	AC 85 ~ 264V, 50 ~ 60Hz	
	ISOLATOR : 5VA	DC 24V 100mA
	POWER DISTRIBUTOR : 7VA	DC 24V 130mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ORDERING CODE

MODEL : DVIP -

• INPUT SIGNAL

4~20mA DC (2-Wire DC24V)

• OUTPUT1 SIGNAL

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

• OUTPUT2 SIGNAL

N. None

Same Range Available as OUTPUT 1

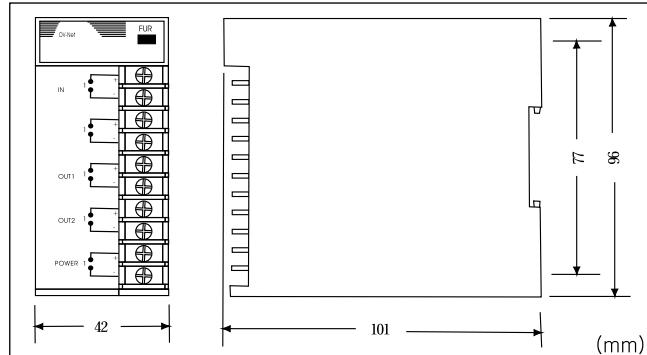
• POWER SUPPLY

- |                |           |
|----------------|-----------|
| 1. AC 85V~264V | 2. DC 24V |
|----------------|-----------|

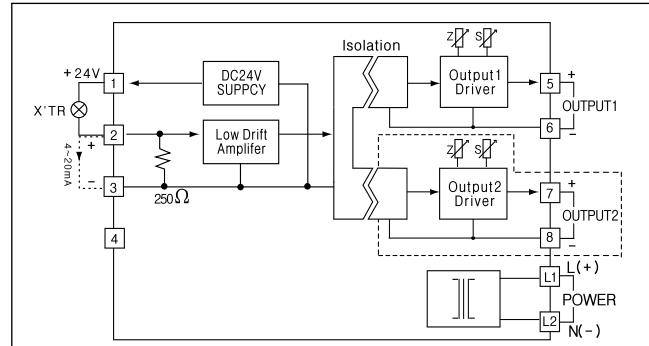
### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications

## 1&2 OUTPUT R.T.D CONVERTER 1&2出力 測溫抵抗體 變換器



### SPECIFICATIONS

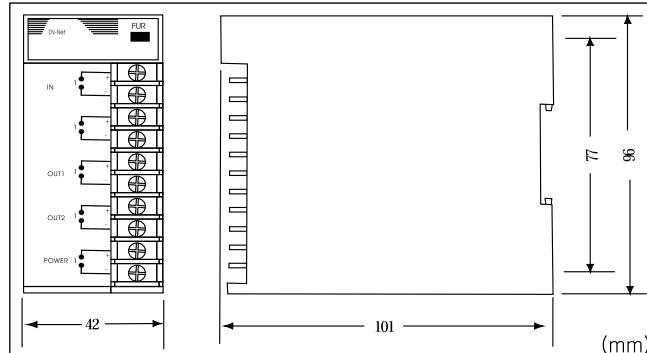
ITEMS	DESCRIPTIONS	
INPUT	Pt 100Ω 3-Wire (Over 50deg) Adjustment needed for 2wire Bulb Permissible resistance of cable less than 100Ω	
UPPLY CURRENT TO Pt BULB	DC 2mA	
BURN - OUT	Upper Limit	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	±0.2% Max.	
TEMP. COEFFICIENT	±0.015% / °C	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power	AC 1,000V
	Input - Output1 - Output2	AC 1,000V
	Input1 - Output2	AC 1,000V
POWER SUPPLY	AC Driven	AC 85~264V, 50~60Hz, Less than 5VA
	DC Driven	DC 24V 110mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
LINEARIZER	Standard Function	
CASE MATERIAL	ABS	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ■ STANDARD INPUT RANGE

(UNIT : °C)

INPUT	RANGE
Pt 100Ω	0~50, 0~100, 0~150, 0~200, 0~250, 0~300, 0~400 0~500, -20 ~ +80, -50 ~ +50, -50 ~ +150, 50~100 50~150, 100~200, 100~300, 200~400

### DIMENSION



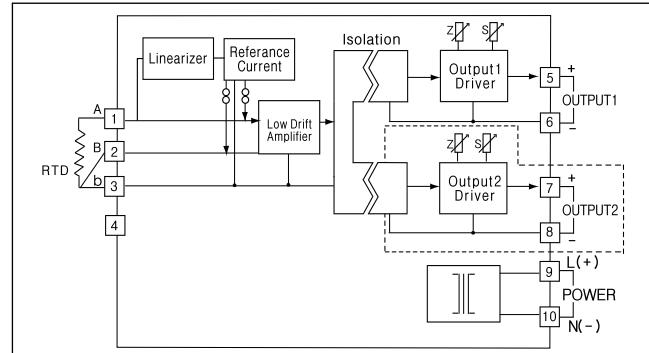
### ORDERING CODE

MODEL : DVRB -	□	□	□	-	□	/	□
• INPUT SIGNAL							
1. JPt 100Ω (JIS) 3-Wire							
2. Pt 100Ω (DIN) 3-Wire							
3. Others							
• OUTPUT1 SIGNAL							
1. 0~1mA DC	A .	0~10mV DC					
2. 0~10mA DC	B .	0~100mV DC					
3. 0~16mA DC	C .	0~1V DC					
4. 0~20mA DC	D .	0~5V DC					
5. 1~5mA DC	E .	0~10V DC					
6. 2~10mA DC	F .	1~5V DC					
7. 4~20mA DC	Z .	Other Voltage					
0. Other Current		(Less than 12V)					
• OUTPUT2 SIGNAL							
N. None							
Same Range Available as OUTPUT 1							
• POWER SUPPLY							
1. AC 85V~264V	2 .	DC 24V					
• BURN OUT							
U. Up scale * Please Specify the Input Range When you Order.							

### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2.5KΩ
DC 0~10V	More than 5KΩ

### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT THERMOCOUPLE CONVERTER

### 1&2出力 热電対 変換器

This instrument is a high and accurate converter that receives various T/C as an input signal and converts the T/C temperature into DC current and DC voltage through the temperature compensation and linear circuit that correspond to the various T/C. Input, output and power have isolation circuit that is separated from each other. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

#### SPECIFICATIONS

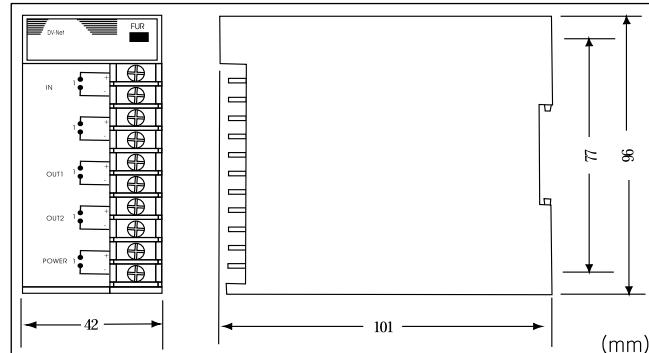
ITEMS	DESCRIPTIONS	
INPUT	Thermocouple ( K, J, T, E, B, R, S )	
BURN - OUT	Upper Limit	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.3\%$ Max.	
TEMP. COEFFICIENT	$\pm 0.02\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 6VA DC 24V 120mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
LINEARIZER	Standard Function	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

#### ■ STANDARD INPUT RANGE

(UNIT : °C)

INPUT	RANGE
K	-50~+100, 0~300, 0~400, 0~500, 0~600 0~800, 0~1000, 0~1200
J	0~200, 0~300, 0~400, 0~800
T	-20~80, 0~100, 0~200
R	600~1600

#### DIMENSION



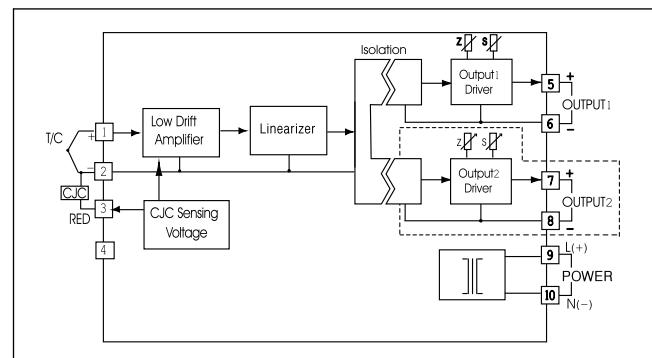
#### ORDERING CODE

MODEL : DVTC -	□	□	□	-	□	/	□
• INPUT SIGNAL	1 . K(CA)	5 . B					
	2 . J(IC)	6 . S					
	3 . T(CC)	7 . R					
	4 . E(CRC)	8 . Other Thermocouple					
• OUTPUT1 SIGNAL	1 . 0~1mA DC	A . 0~10mV DC					
	2 . 0~10mA DC	B . 0~100mV DC					
	3 . 0~16mA DC	C . 0~1V DC					
	4 . 0~20mA DC	D . 0~5V DC					
	5 . 1~5mA DC	E . 0~10V DC					
	6 . 2~10mA DC	F . 1~5V DC					
	7 . 4~20mA DC	Z . Other Voltage					
	8 . Other Current (Less than 20mA)	(Less than 12V)					
• OUTPUT2 SIGNAL	N . None	Same Range Available as OUTPUT 1					
• POWER SUPPLY	1 . AC 85V~264V	2 . DC 24V					
• BURN OUT	U . Up scale * Please Specify the Input Range When you Order.						

#### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2.5KΩ
DC 0~10V	More than 5KΩ

#### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT POTENTIOMETER CONVERTER

1&2出力 可變抵抗變換器

This instrument is a high and accurate converter that receives resistance signals of 3 wires potentiometer ( $100\Omega \sim 100k\Omega$ ) and converts them into DC voltage and current. Especially, It is widely used for float type water level detector. And mutual interference by zero and span adjustment is hardly occurred. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	Potentiometer ( from $100\Omega \sim 100k\Omega$ )	
SUPPLY VOLTAGE TO P.T.M	DC 0.5V	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.2\%$ Max,	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
ADJUSTMENT	ZERO / SPAN 50%	
INSULATION RESISTANCE	Greater than $100M\Omega$ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Output1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 100~240V, 50~60Hz, Less than 5VA DC 24V 110mA
AMBIENT - TEMP	$-5 \sim +55^\circ C$ ( $23 \sim 131^\circ F$ )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ORDERING CODE

MODEL : DVPC -

• INPUT SIGNAL

POTENTIOMETER( Total resistance  $100\Omega \sim 100K\Omega$  )

• OUTPUT1 SIGNAL

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

• OUTPUT2 SIGNAL

- N. None  
Same Range Available as OUTPUT 1

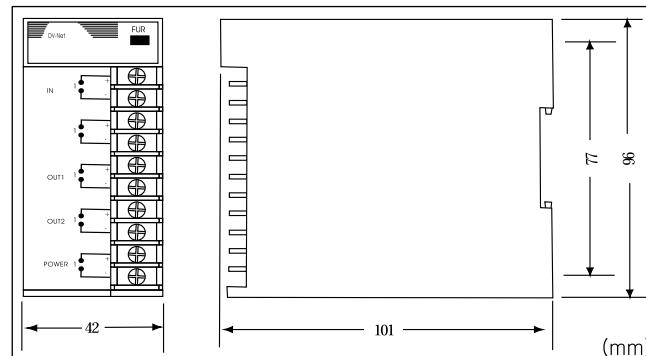
• POWER SUPPLY

- 1. AC 85V~264V
- 2. DC 24V

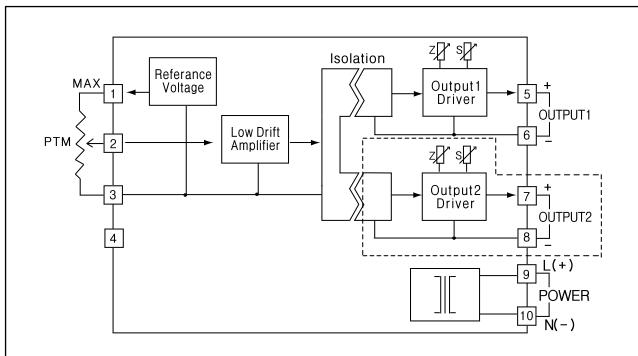
### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than $600\Omega$
DC 1~5V	More than $2.5K\Omega$
DC 0~10V	More than $5K\Omega$

### DIMENSION



### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT SIGNAL ISOLATOR

### 1&2出力 信号絶縁 変換器

This instrument receives DC voltage and current as an input signal and provides conversion output when the input & output is separated completely. Especially, an input, an output, and power are isolated using a transformer and it is called 3ways isolator.

This instrument is a high accurate converter which is the most suitable to prevent impulse noise and high peak voltage from the interval between field instrument and computer interface. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

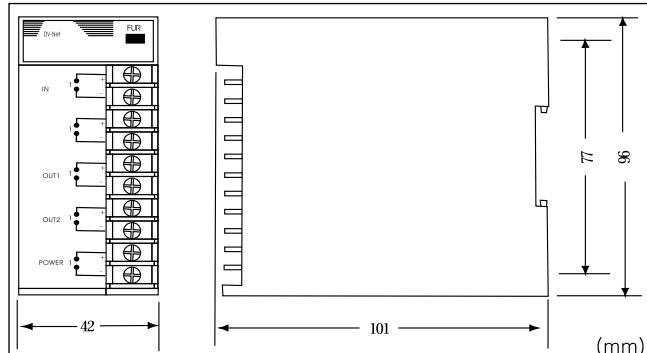
### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Current or DC Voltage signal	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.1\% \text{ Max.}$	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ\text{C}$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 5VA DC 24V 110mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### ORDERING CODE

MODEL : DVSI -    -

#### • INPUT SIGNAL

- 1. 0~1mA DC
- 2. 0~10mA DC
- 3. 0~16mA DC
- 4. 0~20mA DC
- 5. 1~5mA DC
- 6. 2~10mA DC
- 7. 4~20mA DC
- 0. Other Current

- A. 0~10mV DC
- B. 0~100mV DC
- C. 0~1V DC
- D. 0~5V DC
- E. 0~10V DC
- F. 1~5V DC
- Z. Other Voltage

#### • OUTPUT1 SIGNAL

- 1. 0~1mA DC
- 2. 0~10mA DC
- 3. 0~16mA DC
- 4. 0~20mA DC
- 5. 1~5mA DC
- 6. 2~10mA DC
- 7. 4~20mA DC
- 0. Other Current  
(Less than 20mA)

- A. 0~10mV DC
- B. 0~100mV DC
- C. 0~1V DC
- D. 0~5V DC
- E. 0~10V DC
- F. 1~5V DC
- Z. Other Voltage

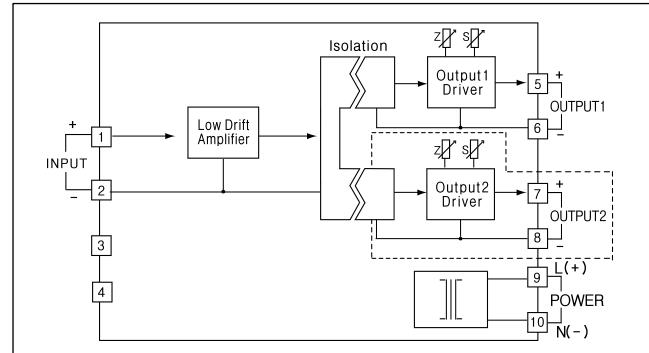
#### • OUTPUT2 SIGNAL

- N. None  
Same Range Available as OUTPUT 1

#### • POWER SUPPLY

- 1. AC 85V~264V
- 2. DC 24V

### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT HIGH SPEED ISOLATOR

### 1&2出力 高速 信號絶縁 変換器

This instrument receives DC voltage and current as an input signal and provides conversion output when the input & output is separated completely. Especially an input, an output and power are isolate using a transformer and it is called "3 ways isolator". This instrument is a high speed response converter like computer interface. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

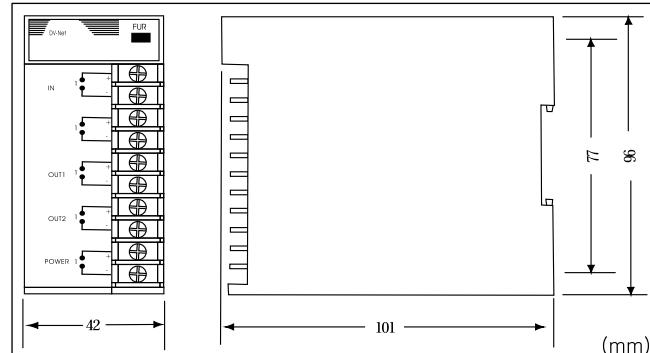
#### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Current or DC Voltage signal	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.1\%$ Max.	
TEMP. COEFFICIENT	$\pm 0.02\% / ^\circ C$	
RESPONSE TIME	Less than 10mSec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 5VA DC 24V 110mA
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131 °F)	
HUMIDITY	Less than 90% RH (no condensation)	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

#### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

#### DIMENSION



#### ORDERING CODE

MODEL : DVHI -    -

##### • INPUT SIGNAL

- 1. 0~1mA DC
- 2. 0~10mA DC
- 3. 0~16mA DC
- 4. 0~20mA DC
- 5. 1~5mA DC
- 6. 2~10mA DC
- 7. 4~20mA DC
- 0. Other Current

- A. 0~10mV DC
- B. 0~100mV DC
- C. 0~1V DC
- D. 0~5V DC
- E. 0~10V DC
- F. 1~5V DC
- Z. Other Voltage

##### • OUTPUT1 SIGNAL

- 1. 0~1mA DC
- 2. 0~10mA DC
- 3. 0~16mA DC
- 4. 0~20mA DC
- 5. 1~5mA DC
- 6. 2~10mA DC
- 7. 4~20mA DC
- 0. Other Current  
(Less than 20mA)

- A. 0~10mV DC
- B. 0~100mV DC
- C. 0~1V DC
- D. 0~5V DC
- E. 0~10V DC
- F. 1~5V DC
- Z. Other Voltage

##### • OUTPUT2 SIGNAL

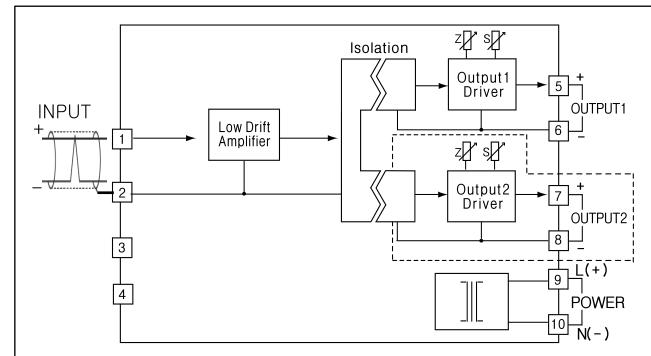
- N. None  
Same Range Available as OUTPUT 1

##### • POWER SUPPLY

- 1. AC 85V~264V
- 2. DC 24V

\* Use a shielded twisted-pair cable for preventing noise interring through the input wiring.

#### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT REVERSE CONVERTER

### 1&2出力 逆信号 變換器

This instrument receives DC voltage and current as an input signal then reverse output signals of all instrument if the reverse is needed. Especially, an in, an output, and power are isolated by a transformer and it is called "3 ways isolator". Power adopts free voltage. In the mounting method is DIN RAIL mounting.

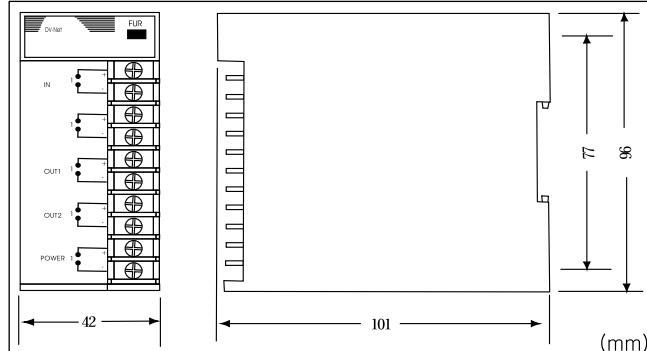
#### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Current or DC Voltage signal	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.1\%$ Max.	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 5VA DC 24V 110mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

#### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

#### DIMENSION



#### ORDERING CODE

MODEL : DVRC -    -

##### • INPUT SIGNAL

- 1. 0~1mA DC
- 2. 0~10mA DC
- 3. 0~16mA DC
- 4. 0~20mA DC
- 5. 1~5mA DC
- 6. 2~10mA DC
- 7. 4~20mA DC
- 0. Other Current

- A. 0~10mV DC
- B. 0~100mV DC
- C. 0~1V DC
- D. 0~5V DC
- E. 0~10V DC
- F. 1~5V DC
- Z. Other Voltage

##### • OUTPUT1 SIGNAL

- 1. 1~0mA DC
- 2. 10~0mA DC
- 3. 16~0mA DC
- 4. 20~0mA DC
- 5. 5~1mA DC
- 6. 10~2mA DC
- 7. 20~4mA DC
- 0. Other Current  
(Less than 20mA)

- A. 10~0mV DC
- B. 100~0mV DC
- C. 1~0V DC
- D. 5~0V DC
- E. 10~0V DC
- F. 5~1V DC
- Z. Other Voltage

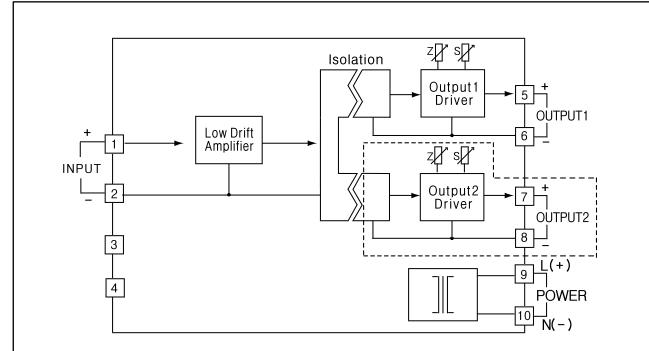
##### • OUTPUT2 SIGNAL

- N. None  
Same Range Available as OUTPUT 1

##### • POWER SUPPLY

- 1. AC 85V~264V
- 2. DC 24V

#### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT STRAIN GAUGE CONVERTER

1&2出力 Strain gauge 變換器

This instrument converts Load cell or strain gauge as an input signal into DC voltage or current. It actualizes a high and accurate performance that residual magnetic voltage selects constant voltage and amplifier circuit select low noise type. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

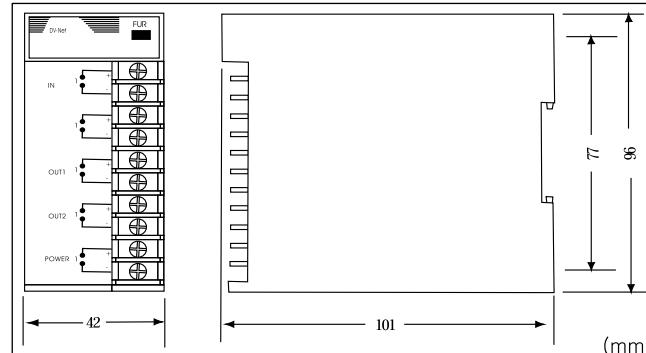
### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
LOAD CELL TO BE COMBINED	Bridge Resistance 350Ω or more rated output Voltage 2mV/V and other	
APPLIED VOLTAGE	DC 10V(Standard)	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.2\%$ Max.	
TEMP. COEFFICIENT	$\pm 0.02\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 7VA DC 24V 130mA
AMBIENT - TEMP	-5 ~ +55 °C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### ORDERING CODE

MODEL : DVLS -    -

• EXT. VOLTAGE

Excitation : 5~12V (10V Standard)

• EXT. VOLTAGE

- 1 . 1mV/V
- 2 . 2mV/V
- 3 . 3mV/V
- 4 . 4mV/V
- 5 . 5mV/V
- 6 . Other

• OUTPUT1 SIGNAL

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

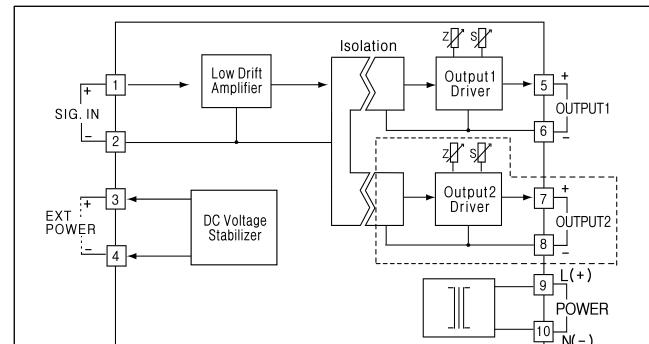
• OUTPUT2 SIGNAL

N . None  
Same Range Available as OUTPUT 1

• POWER SUPPLY

- 1 . AC 85V~264V
- 2 . DC 24V

### BLOCK DIAGRAM

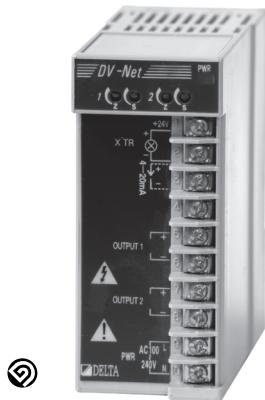


Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications

## 1&2 OUTPUT TACHOGENERATOR CONVERTER

### 1&2 出力 回轉數 變換器



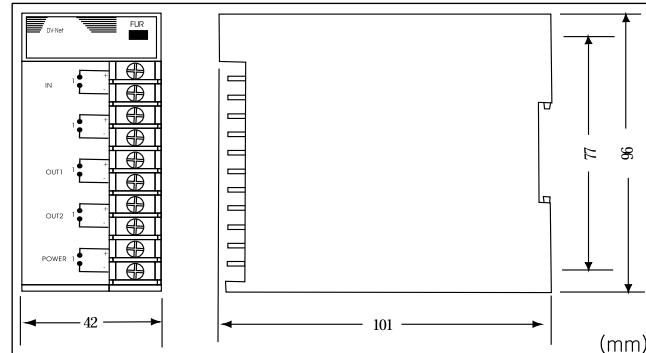
#### SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT IMPEDANCE	150KΩ or More
OUTPUT	DC Current or DC Voltage signal
ACCURACY	±0.3% Max.
TEMP. COEFFICIENT	±0.02% / °C
RESPONSE TIME	Less than 0.5Sec (0~90%)
RIPPLE	0.2% RMS of SPAN
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,000V Input - Output1 - Output2 AC 1,000V Input1 - Output2 AC 1,000V
POWER SUPPLY	AC 100~240V, 50~60Hz, Less than 5VA
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131 °F)
HUMIDITY	Less than 90% RH (no condensation)
CASE MATERIAL	ABS/PC
COLOR	Gray
WEIGHT	About 200g
DIMENSION	W42 X H96 X D101mm
MOUNTING	WALL or DIN RAIL

#### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

#### DIMENSION

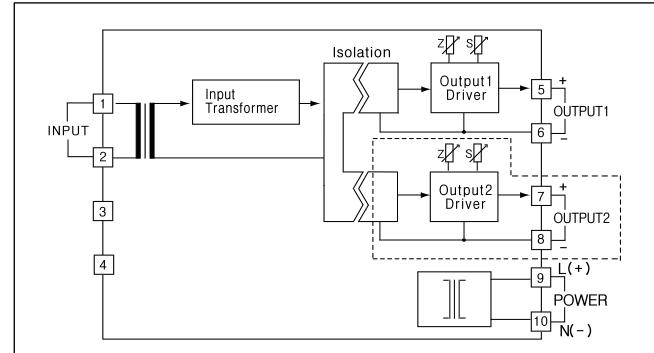


#### ORDERING CODE

MODEL : DVTG -  -  -  -

- INPUT SIGNAL 
  - 1. AC 0 ~ 35V (100Hz ~ 1KHz)
  - 2. Specify Range (AC 20 ~ 150V)
- OUTPUT1 SIGNAL 
  - 1. 0~1mA DC
  - 2. 0~10mA DC
  - 3. 0~16mA DC
  - 4. 0~20mA DC
  - 5. 1~5mA DC
  - 6. 2~10mA DC
  - 7. 4~20mA DC
  - 0. Other Current (Less than 20mA)
  - A. 0~10mV DC
  - B. 0~100mV DC
  - C. 0~1V DC
  - D. 0~5V DC
  - E. 0~10V DC
  - F. 1~5V DC
  - Z. Other Voltage
- OUTPUT2 SIGNAL 
  - N. None
  - Same Range Available as OUTPUT 1
- POWER SUPPLY 
  - 1. AC 85V~264V
  - \* Please Specify the Input Range When you Order.

#### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT HIGH / LOW SELECTOR

### 1&2出力 信号 選擇器

This instrument has two different input signals in all process amounts. (temperature, flow, pressure, level components, etc) Then the instrument compares two signals to select the highest or lowest value to output.

It is used for a variable control of process control and alternative amounts control. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

#### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Voltage(1~5V) or DC Current(4~20mA) Signal	
OUTPUT	DC Voltage(1~5V) or DC Current(4~20mA) Signal	
NUMBER OF INPUT	2	
ACCURACY	$\pm 0.2\% \text{ Max.}$	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ\text{C}$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 5VA DC 24V 110mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

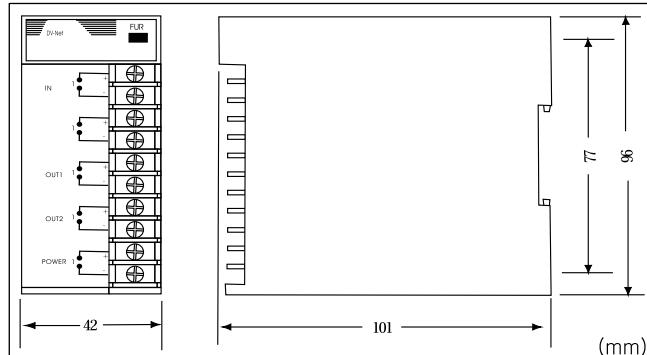
#### ORDERING CODE

MODEL : DVHL -	[ ]	[ ]	[ ]	[ ]	- [ ]
• SELECTING FUNCTION					
1. Low Signal 2. High Signal					
• INPUT SIGNAL					
7. 4~20mA DC 0. Other Current (Less than 20mA)					
F. 1~5V DC Z. Other Voltage (Less than 12V)					
• OUTPUT1 SIGNAL					
7. 4~20mA DC 0. Other Current (Less than 20mA)					
F. 1~5V DC Z. Other Voltage (Less than 12V)					
• OUTPUT2 SIGNAL					
N. None Same Range Available as OUTPUT 1					
• POWER SUPPLY					
1. AC 85V~264V 2. DC 24V					

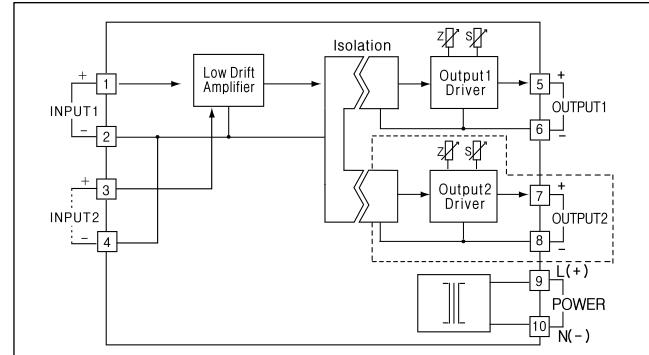
#### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

#### DIMENSION



#### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT ADDER & SUBTRACTOR

### 1&2出力 加減演算器

This converter is used for addition and subtraction process of temperature and flow, etc. This converter completes the best system combining computer console with each instrument such as controller, recorder, and integrator according to application positions. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	DC Voltage(1~5V) or DC Current(4~20mA)Signal	
OUTPUT	DC Voltage(1~5V) or DC Current(4~20mA)Signal	
NUMBER OF INPUT	2	
ACCURACY	$\pm 0.2\%$ Max,	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
		1 Minute
POWER SUPPLY	AC Driven DC Driven	AC 85~264V, 50~60Hz, Less than 5VA DC 24V 110mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

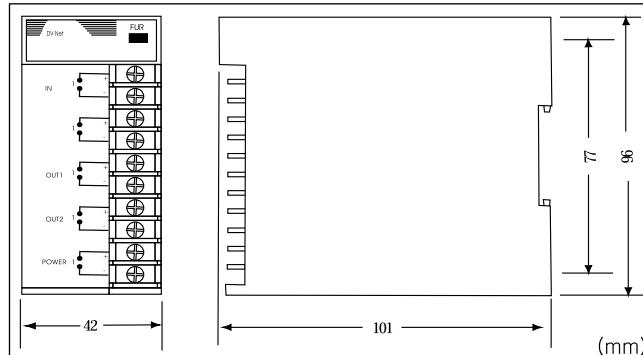
### ORDERING CODE

MODEL : DVAS -	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>
• SELECTING FUNCTION						
1. Adder						
2. Subtractor						
• INPUT SIGNAL						
7. 4~20mA DC						F. 1~5V DC
0. Other Current (Less than 20mA)						Z. Other Voltage (Less than 12V)
• OUTPUT1 SIGNAL						
7. 4~20mA DC						F. 1~5V DC
0. Other Current (Less than 20mA)						Z. Other Voltage (Less than 12V)
• OUTPUT2 SIGNAL						
N. None						Same Range Available as OUTPUT 1
• POWER SUPPLY						
1. AC 85V~264V						2. DC 24V

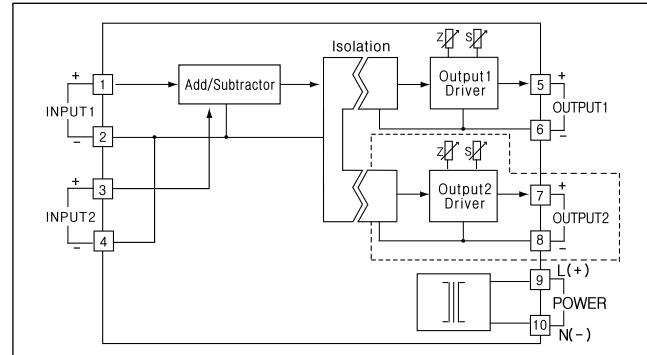
### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT AC VOLTAGE TRANSDUCER

### 1&2出力 交流電圧 変換器

This instrument has alternating sinusoidal voltage as an input, and then calculates an average value and converter it into DC signal proportional to an effective value of input.

Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

#### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT LOSS	Less than 0,5VA	
OVER-INPUT	200% 1 minute	
OUTPUT	DC Voltage(1~5V) or DC Current(4~20mA)Signal	
ACCURACY	$\pm 0,3\%$ Max,	
TEMP. COEFFICIENT	$\pm 0,02\%$ / $^{\circ}\text{C}$	
RESPONSE TIME	Less than 0,5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100M $\Omega$ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
		1 Minute
POWER SUPPLY	AC 85~264V, 50~60Hz, Less than 5VA	
AMBIENT - TEMP	-5 ~ +55 $^{\circ}\text{C}$ ( 23 ~ 131 $^{\circ}\text{F}$ )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

#### ORDERING CODE

MODEL : DVPT -    -

• INPUT SIGNAL

- 1. AC 0 ~ 110V
- 2. AC 0 ~ 150V
- 3. AC 0 ~ 300V
- 4. AC 0 ~ 600V
- 5. Other Voltage by specified

• OUTPUT1 SIGNAL

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

• OUTPUT2 SIGNAL

- N. None
- Same Range Available as OUTPUT1

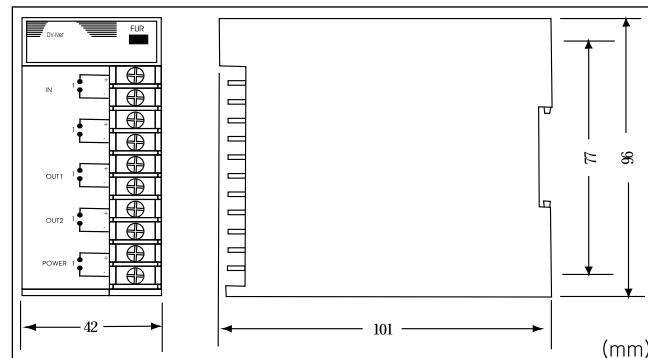
• POWER SUPPLY

- 1. AC 85V~264V

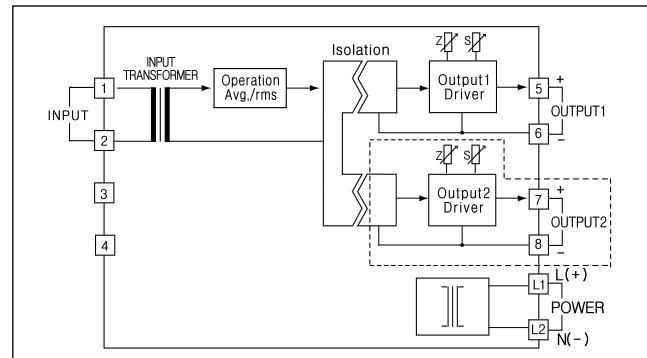
#### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600 $\Omega$
DC 1~5V	More than 2,5K $\Omega$
DC 0~10V	More than 5K $\Omega$

#### DIMENSION



#### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## 1&2 OUTPUT AC CURRENT TRANSDUCER

1&2出力 交流電流 變換器

This instrument has alternating sinusoidal current as an input, and then calculates an average value and converter it into DC signal proportional to an effective value of input.

Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

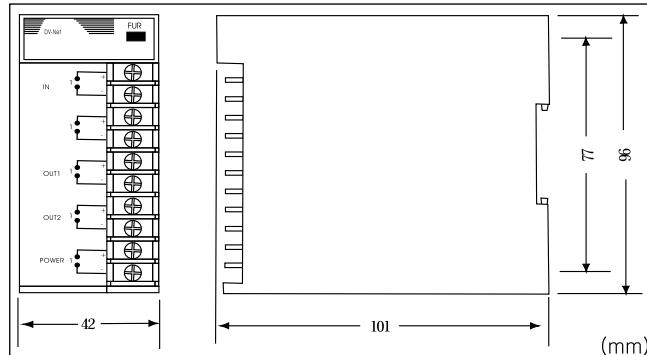
### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT LOSS	Less than 0,5VA	
OVER-INPUT	200% 1 minute	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	$\pm 0,3\%$ Max,	
TEMP. COEFFICIENT	$\pm 0,02\% / ^\circ C$	
RESPONSE TIME	Less than 0,5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
		1 Minute
POWER SUPPLY	AC 85~264V, 50~60Hz, Less than 5VA	
AMBIENT - TEMP	-5 ~ +55 °C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### ORDERING CODE

MODEL : DVCT -    -

#### • INPUT SIGNAL

- 1. AC 0 ~ 1A
- 2. AC 0 ~ 5A
- 3. Other

#### • OUTPUT1 SIGNAL

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

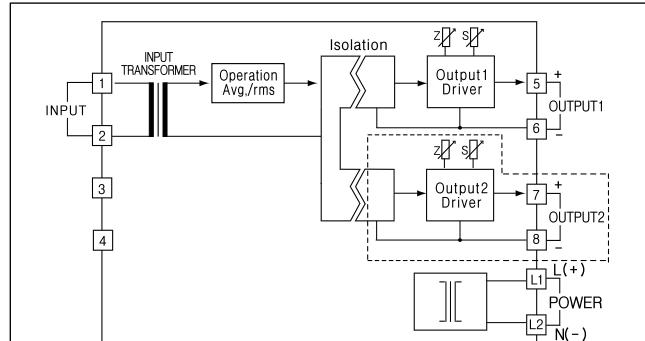
#### • OUTPUT2 SIGNAL

- N. None
- Same Range Available as OUTPUT1

#### • POWER SUPPLY

- 1. AC 85V~264V

### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications

## ALALOG TO PULSE CONVERTER

直流/PULSE 變換器

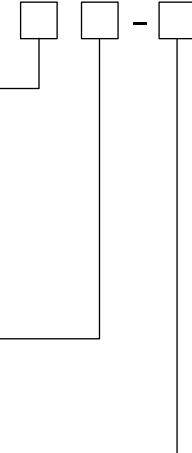


### SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	DC Current or DC Voltage signal
OUTPUT	Open Collector (DC 24V 50mA Max)Voltage Pulse
OUTPUT FREQUENCY	Less than 1KHz
ACCURACY	$\pm 0.3\%$ Max.
TEMP. COEFFICIENT	$\pm 0.02\%$ / $^{\circ}\text{C}$
INSULATION RESISTANCE	Greater than 100M $\Omega$ at DC 500V
DIELECTRIC - STRENGTH	Input - Power AC 1,000V 1 Minute Input - Output AC 1,000V
POWER SUPPLY	AC 85~264V, 50~60Hz, Less than 5VA
AMBIENT - TEMP	-5 ~ +55 $^{\circ}\text{C}$ ( 23 ~ 131 $^{\circ}\text{F}$ )
HUMIDITY	Less than 90% RH ( no condensation )
CASE MATERIAL	ABS/PC
COLOR	Gray
WEIGHT	About 200g
DIMENSION	W42 X H96 X D101mm
MOUNTING	WALL or DIN RAIL

### ORDERING CODE

MODEL : DVAP -



#### • INPUT SIGNAL

- 1. 0~1mA DC
- 2. 0~10mA DC
- 3. 0~16mA DC
- 4. 0~20mA DC
- 5. 1~5mA DC
- 6. 2~10mA DC
- 7. 4~20mA DC
- 8. Other Current
- A. 0~10mV DC
- B. 0~100mV DC
- C. 0~1V DC
- D. 0~5V DC
- E. 0~10V DC
- F. 1~5V DC
- H. Other Voltage

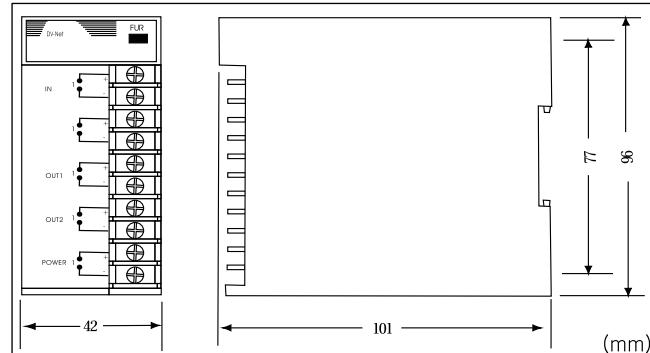
#### • OUTPUT SIGNAL

- 1. Open Collector (Max Frequency 1KHz)
- 2. Voltage Pulse (Max Frequency 1KHz)
- 3. Other

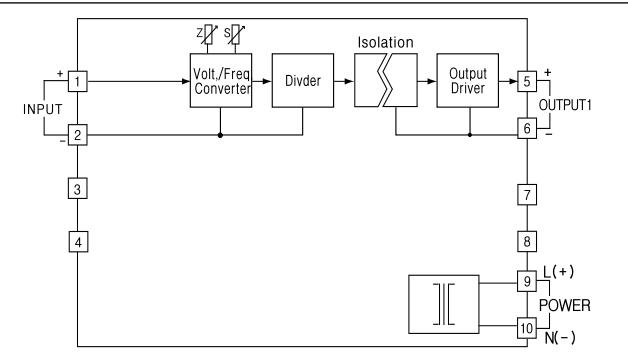
#### • POWER SUPPLY

- 1. AC 85V~264V

### DIMENSION



### BLOCK DIAGRAM



# General Specifications



## PULSE TO ANALOG CONVERTER

PULSE/直流 變換器

This instrument has various pulse signals as an input then converts it into DC current and voltage signals to outputs. Also it is a converter that an input, an output and a power are isolated electrically.

This instrument has alternating sinusoidal voltage as an input, and then calculates an average value and converts it into DC signal proportional to an effective value of input. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

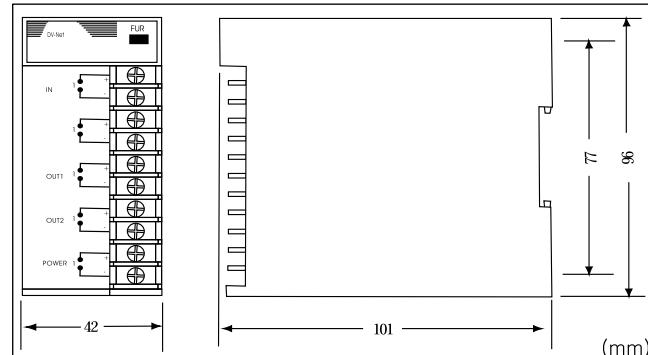
### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	Dry Contact, Open Collector, Voltage pulse Current Pulse	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	$\pm 0.2\% \text{ Max.}$	
TEMP. COEFFICIENT	$\pm 0.02\% / ^\circ C$	
INSULATION RESISTANCE	Greater than $100M\Omega$ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power Input - Output1 - Output2 Input1 - Output2	AC 1,000V AC 1,000V AC 1,000V
POWER SUPPLY	AC 85~264V, 50~60Hz, Less than 5VA	
AMBIENT - TEMP	$-5 \sim +55^\circ C$ ( $23 \sim 131^\circ F$ )	
HUMIDITY	Less than 90% RH (no condensation)	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than $600\Omega$
DC 1~5V	More than $2.5K\Omega$
DC 0~10V	More than $5K\Omega$

### DIMENSION



### ORDERING CODE

MODEL : DVPA -    -

#### • INPUT SIGNAL

- 1. Dry Contact (Max. 130pulse / 1min)
- 2. Open Collector (Max. Frequency 10KHz)
- 3. Voltage Pulse (Max. Frequency 10KHz)
- 4. Current Pulse (DC 4 ~ 20mA )
- 5. Others

#### • OUTPUT1 SIGNAL

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

#### • OUTPUT2 SIGNAL

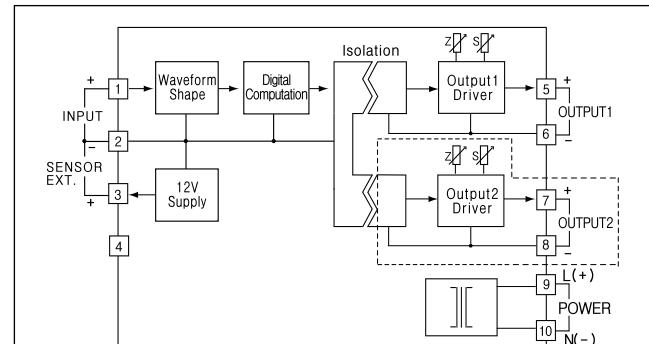
- N. None
- Same Range Available as OUTPUT 1

#### • POWER SUPPLY

- 1. AC 85V~264V

\* Please Specify the Input Range When you Order,

### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel

# General Specifications



## PULSE TO PULSE ISOLATOR

### PULSE/PULSE 絶縁変換器

This instrument has an input such as an open collector or dry contact type of a flowmeter then eliminate a noise in a stable circuit.

This high and accurate convert divides those kinds of signals.  
Power adopts free voltage.

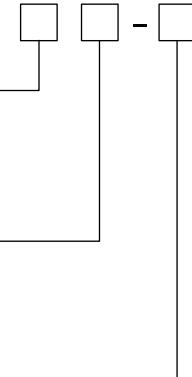
In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	Dry Contact, Open Collector, Voltage pulse	
CONTACT DETECTING	DC 12V, 30mA Max	
OUTPUT	Relay Contact	Open Collector
OUTPUT RATING	AC 110V 1A	DC 24V 110mA
RESPONSE TIME	35ms	10ms
ACCURACY	$\pm 0.2\%$ Max,	
INPUT IMPEDANCE	More than 100KΩ	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power	AC 1,000V
	Input - Output	AC 1,000V
POWER SUPPLY	AC 85~264V, 50~60Hz, Less than 5VA	
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ORDERING CODE

MODEL : DVPI -



#### • INPUT SIGNAL

- 1. Dry Contact (Max, 130pulse / 1Min)
- 2. Open Collector (Max, Frequency 10KHz)
- 3. Voltage Pulse (Max, Frequency 10KHz)

#### • OUTPUT SIGNAL

- 1. Relay Contact (Max, 130pulse / 1Min)
- 2. Open Collector (Max, Frequency 1KHz)
- 3. Voltage Pulse (Max, Frequency 1KHz)

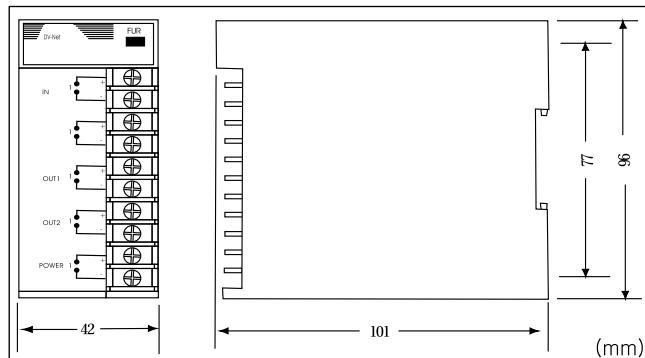
#### • POWER SUPPLY

- 1. AC 85V~264V
- \* Please Specify the Input Range When you Order.

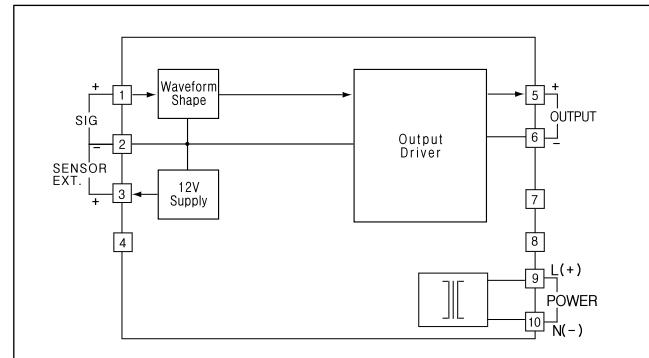
### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### BLOCK DIAGRAM



# General Specifications



## POWER DISTRIBUTOR

傳送器用 電源 (非絕緣)

This instrument is a high accurate converter which provides simultaneously power supply and signal conversion to all transmitter such as pressure transmitter, flow transmitter, level transmitter, etc and also contains over current and over voltage protection circuit inside. Power adopts free voltage.

In the mounting method, you can freely select either DIN-RAIL mounting or WALL mounting.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS		
OUTPUT RATING SUPPLY TO X' TR	DC 24V 30mA Max, Ripple : less than 0.1Vp-p		
OUTPUT	DC Current or DC Voltage signal		
ACCURACY	$\pm 0.5\%$ Max.		
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ C$		
RESPONSE TIME	Less than 0.5Sec (0~90%)		
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V		
DIELECTRIC - STRENGTH	Input - Power	AC 1,000V	1 Minute
	Input1 - Output2	AC 1,000V	
POWER SUPPLY	AC 85 ~ 264V 50 ~ 60Hz Less than 5VA		
AMBIENT - TEMP	-5 ~ +55°C (23 ~ 131°F)		
HUMIDITY	Less than 90% RH (no condensation)		
CASE MATERIAL	ABS/PC		
COLOR	Gray		
WEIGHT	About 200g		
DIMENSION	W42 X H96 X D101mm		
MOUNTING	WALL or DIN RAIL		

### ORDERING CODE

MODEL : DVPD -    -

• INPUT SIGNAL  
DC 4~20mA (2-Wire DC24V)

• CHANNEL  
1. 1Point  
2. 2Point

• OUTPUT RATING (X' TR SUPPLY)  
A. DC 24V use  
B. Other

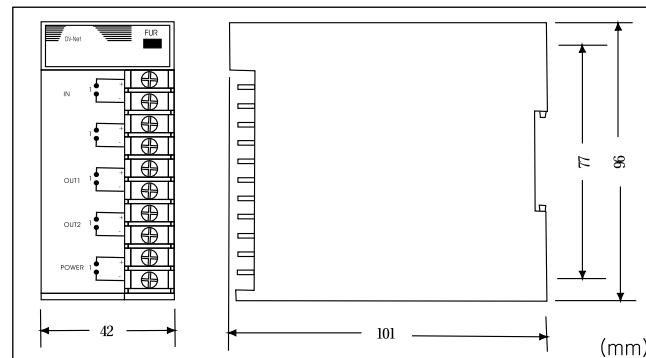
• OUTPUT SIGNAL  
F. 1~5V DC  
7. 4~20mA DC

• POWER SUPPLY  
1. AC 85V~264V

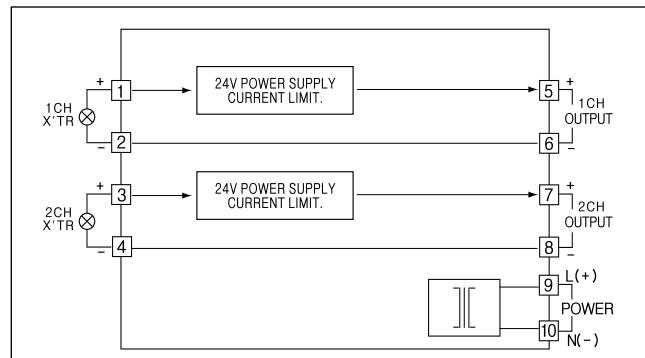
### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### BLOCK DIAGRAM



# General Specifications



## POWER DISTRIBUTOR WITH SQUARE ROOT EXTRACTOR 傳送器用 電源(√)

This instrument is high and accurate converter that provides all transmitters such as a pressure transmitter, a flow transmitter and a level transmitter with power supply and signal conversion.

Also, It contains a protection circuit for over current and over voltage inside. Power adopts free voltage.

In the mounting method, you can freely select either DIN RAIL mounting or WALL mounting.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS	
OUTPUT RATING SUPPLY TO X' TR	DC 24V 30mA Max, Ripple : less than 0.1Vp-p	
OUTPUT	DC Current or DC Voltage signal	
ACCURACY	$\pm 0.3\%$ Max.	
TEMP. COEFFICIENT	$\pm 0.015\% / ^\circ C$	
RESPONSE TIME	Less than 0.5Sec (0~90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC - STRENGTH	Input - Power	AC 1,000V
	Input - Output1 - Output2	AC 1,000V
	Input1 - Output2	AC 1,000V
POWER SUPPLY	AC Driven	AC 85~264V, 50~60Hz, Less than 7VA
	DC Driven	DC 24V 130mA
AMBIENT - TEMP	-5 ~ +55°C ( 23 ~ 131 °F )	
HUMIDITY	Less than 90% RH ( no condensation )	
CASE MATERIAL	ABS/PC	
COLOR	Gray	
WEIGHT	About 200g	
DIMENSION	W42 X H96 X D101mm	
MOUNTING	WALL or DIN RAIL	

### ORDERING CODE

MODEL : DVPQ - □ - □ - □

• INPUT SIGNAL

DC 4~20mA (2-Wire DC24V)

• OUTPUT1 SIGNAL

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

• OUTPUT2 SIGNAL

N. None  
Same Range Available as OUTPUT 1

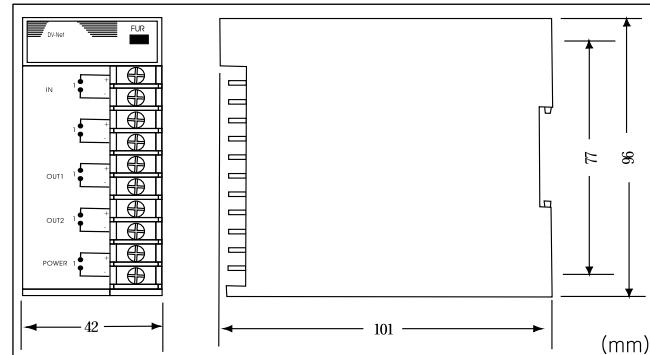
• POWER SUPPLY

1. AC 85V~264V      2. DC 24V

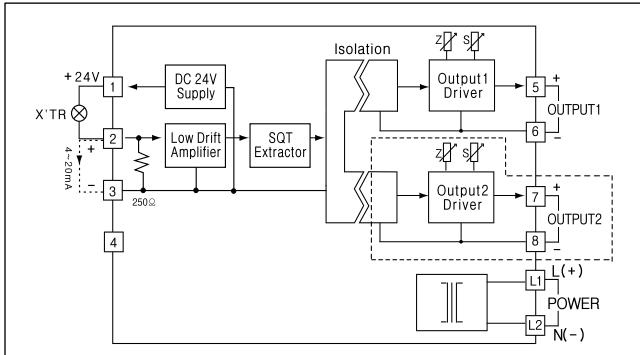
### ■ OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600Ω
DC 1~5V	More than 2,5KΩ
DC 0~10V	More than 5KΩ

### DIMENSION



### BLOCK DIAGRAM



Remark : the section enclosed by broken line is only for 2nd output channel