

주파수 변환기 (Frequency Transducer)

■ 주요사양 (Specification)

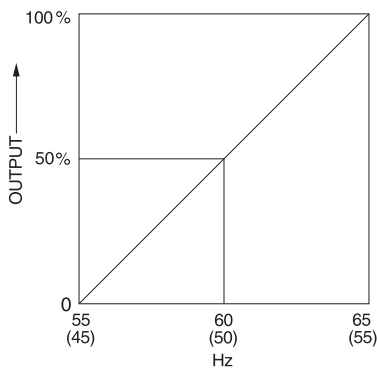
- Accuracy Class : 0.2% of span
- Ripple : 0.5% P-P of span
- Response Time : 1.0sec (0~60Hz for step change)

Output Mode	Type	Rated Input(AC)		Output (DC)	Load Com.	Burden	Auxiliary Power (AC)	Weight (g)	Case Model
		Voltage	Frequency (Hz)						
DC Current	TA-1H1	30~600V	45~55 or 55~65	0~1mA	< 10k Ω	0.5 VA	110 / 220V	$\approx$ 720	TL
	TA-1H2			4~20mA	< 500 Ω				
	TA-1H3			-1~0~+1mA	< 5k Ω				
DC Voltage	TV-1H1			0~1V	> 200 Ω				
	TV-1H2			1~5V	> 1k Ω				
	TV-1H3			-1~0~+1V	> 200 Ω				

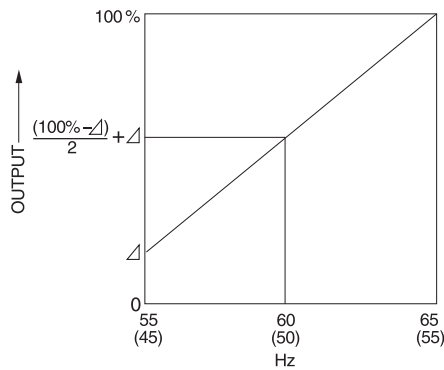
※ 주문사양에 따라 입력, 출력, 제어전원 및 주파수를 변경하여 제작이 가능합니다.
Order made is available except for standard products. (Input, Output, Auxiliary power, Frequency)

■ Input-Output Curve

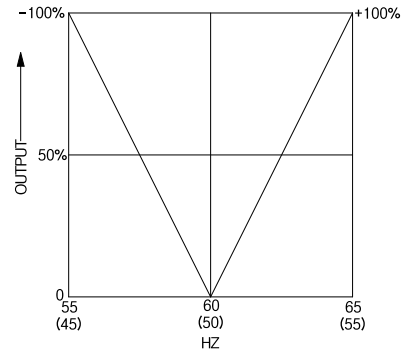
- Output Range : 0~0.5~1mA
0~0.5~1V



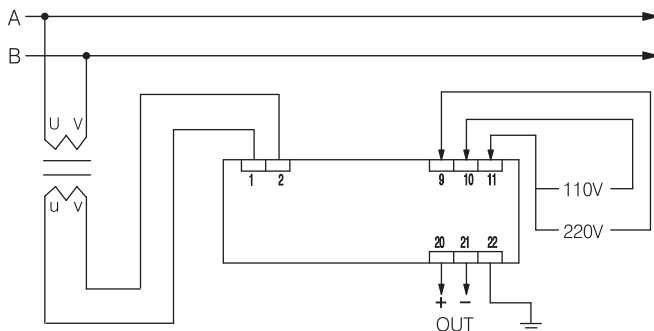
- Output Range : 4~12~20mA
1~3~5V



- Output Range : -1~0~+1mA
-1~0~+1V



■ 외부 결선 (External Connection)



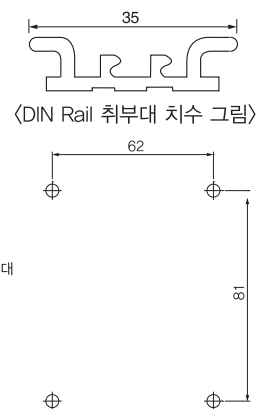
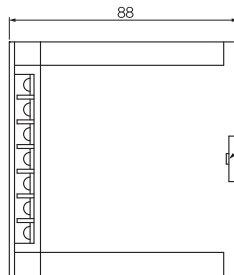
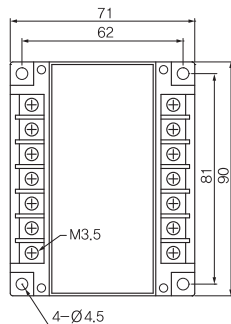
■ 주요성능 (Performance)

- Standard Test Temperature : $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Operating Temperature Range : $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Storage Temperature Range : $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operating Humidity : 30~85%, non-condensing
- Color of case : Black (Munsell No N1.5)
- Material of Case : ABS Resin / DIN rail type
- Terminal Screws : M3.5
- Auxiliary Power : AC 110 / 220 V
- Zero Adjustment : $\pm 10\%$ minimum
- Span Adjustment : $\pm 10\%$ minimum
- Influences Affecting Accuracy
 - Temperature : Less than 0.2% from 0 to 50°C
 - Long-term Stability : Less than 0.2% / year non-cumulative
 - Frequency : Less than 0.1% 50Hz or 60Hz
 - External magnetic field : Less than 0.2% 400 A / m
- Overload Current : 1.2 I_n continuous
10 I_n 3 sec.
- Voltage : 1.2 V_n continuous
1.5 V_n 10sec.
- Dielectric Strength : Input terminal to Case AC 2000V 1 minute
Input to Output terminal AC 2000V 1 minute
- Impulse / Surge : $1.2 \times 50\mu\text{s}$, 5kV / 2.5kV 1MHz

■ 외형 치수 (Dimension)

Unit : mm

■ TS Type



〈DIN Rail 취부대 치수 그림〉

■ TL Type

