

General Specifications

PULSE ISOLATOR



This instrument converts output in state that the input & output is separated completely as receiving input of contact input or voltage pulse. Especially, input & output has built in 3 way isolation circuit separated by photo-coupler and power, input & output have built in 3 way isolation circuit separated by transformer. It is a high accurate converter corresponding to protection of impulse noise, high peak voltage required from all instruments and computer interface, etc.

SPECIFICATIONS

ITEMS	DESCRIPTIONS		
INPUT	Dry Contact, Open Collector, Voltage Pulse		
DETECTING CURRENT	5mA (Max. 15V)		
OUTPUT	Relay Contact	Open Collector	
OUTPUT RATING	AC100V 1A	DC24V 100mA	
RESPONSE TIME	35ms	10ms	
INPUT IMPEDANCE	More than 100KΩ		
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V		
DIRECTRIC-STRENGTH	Input-Power	AC1,500V	1 minute
	Input-Output	AC1,500V	
	Input-Ground	AC1,500V	
POWER SUPPLY	AC110V AC220V ⅔ 10% 50-60Hz 3.5VA		
AMBIENT-TEMP	-5~ +55℃ (20~ 130℉)		
HUMIDITY	Less than 90% RH (no condensation)		
LINEARIZER	Standard function		
CASE MATERIAL	AL		
COLOR	BLACK		
WEIGHT	About 500g		
DIMENSION	W42 x H90 x D120mm		
MOUNTING	WALL		
OUTPUT			
LOAD RESISTANCE	Refer to Attached Technical Sheet.		

ORDERING CODE

MODEL : D S P I - -

INPUT SIGNAL —————
 1 Dry Contact (Max. 130 pulses/1 minute)
 2 Open Collector (Max. Frequency 10KHz)
 3 Voltage Pulse (Max. Frequency 10KHz)

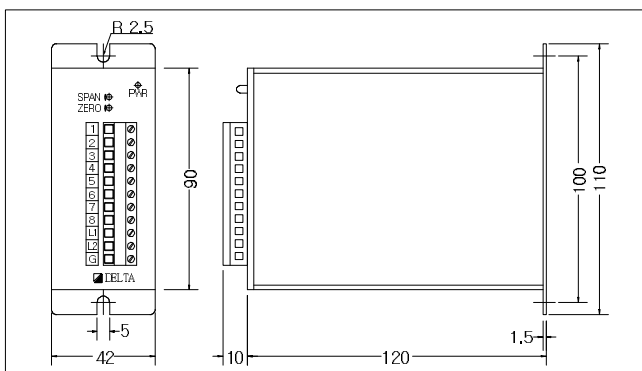
OUTPUT SIGNAL —————
 1 Relay Contact (Max. 130 pulses/1 minute)
 2 Open Collector (Max. Frequency 10KHz)

POWER SUPPLY —————
 1 AC 110V 2 AC 220V

I/O ISOLATION —————
 G : General Y : Isolation

* Please Specify the Frequency Range When you Order.

DIMENSION



WIRING DIAGRAM

INPUT			OUTPUT			POWER	
1	+	SIGNAL	5	+	PULSE	L1	U(+)
2	-		6	-		L2	V(-)
3	NC		7	NC		G	GND
4			8				