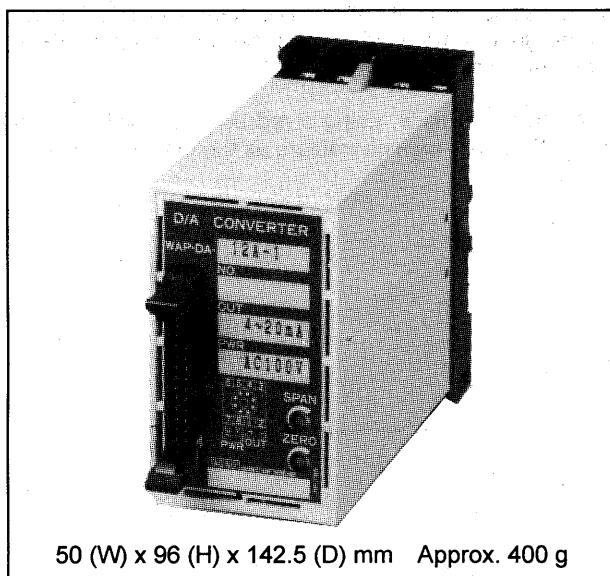




50 (W) x 96 (H) x 142.5 (D) mm Approx. 400 g

This plug-in signal converter converts parallel BCD signals

(0 - 1999) deriving from a sequencer or computer into easy-to-handle analog DC signals for use as the input/output signals of a measuring control unit.

Features

- Input, output and power supply are isolated, with a dielectric strength of 2,000 VAC.
- Analog output and power supply are connected through plug-in sockets.
- BCD signal input can be connected using a one-touch process through a connector.
- Despite its small size and light weight, this unit operates on an AC power.
- Can be mounted on, or detached from, DIN rails using a one-touch process.

Model WVP - DA - - -

DA D/A converter (isolated)

Input Signal	
10	Positive logic TTL level (5V-CMOS)
12	Negative logic Open-collector/Non-voltage contacts (Saturation voltage 1V or less, sink current 1 mA)

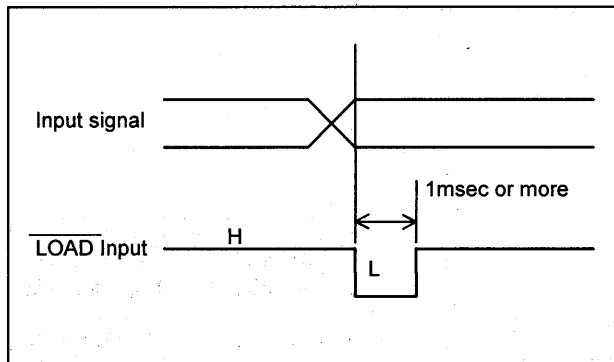
Power Supply	
1	AC 100 V $\pm$ 10%, 50/60 Hz
2	AC 200 V $\pm$ 10%, 50/60 Hz
3	DC 24 V $\pm$ 10%
4	AC 110 V $\pm$ 10%, 50/60 Hz
5	AC 220 V $\pm$ 10%, 50/60 Hz

Output Signal		
		Allowable Load Resistance
A	DC 4-20 mA	750 Ω or less
B	DC 1-5 mA	3 K Ω or less
C	DC 2-10 mA	1.5 K Ω or less
D	DC 0-1 mA	15 K Ω or less
E	DC 0-10 mA	1.5 K Ω or less
F	DC 0-16 mA	937 Ω or less
G	DC 0-20 mA	750 Ω or less
H	DC 1-5 V	2.5 K Ω or more
J	DC 0-10 mV	10 K Ω or more
K	DC 0-100 mV	100 K Ω or more
L	DC 0-1 V	500 Ω or more
N	DC 0-5 V	2.5 K Ω or more
P	DC 0-10 V	5 K Ω or more
S	Other than the above (please consult with us.): Voltage output 10 V or less Current output 20 mA or less	

Specifications

Input signal:	BCD, 3 1/2 digits
Output signal:	DC voltage, DC current
Resolution:	1/1999
Accuracy:	$\pm 0.15\% \cdot fs$ (at 23°C)
Response time:	0.5 sec (time needed to reach 90% of final value)
Allowable load resistance:	For voltage output, use the converter with a load current of 2 mA or less (1 μA or less for an output below 1 V $\cdot fs$). For current output, use the converter with a voltage drop of 15 V or less between output terminals.
Operating temperature and humidity:	-5 to +55°C, 90% RH or less (without condensation)
Influence of ambient temperature:	$\pm 0.2\% \cdot fs/10^\circ C$
Insulation resistance:	100 M Ω or more with a 500 VDC megger between the input and output terminals, and between the input/output terminal and power supply terminal
Dielectric strength:	2,000 VAC for 1 minute between the input and output terminals and between the input/output terminal and power supply terminal
Power consumption:	Approx. 3 VA (AC)
Zero & span adjustment:	$\pm 20\% \cdot fs$ each (multi-turn trimmer)

Timing Chart



Accessories

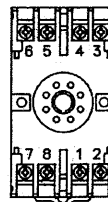
Base socket	WVP-8PFA1 (8-pin)
Flat cable, 1 m	WVP-FCA-10 (with connector on one end)

Pin and Terminal Assignment

Connector: MIL system 26-pin flat cable connector

Pin No.	Function	Pin No.	Function
26	25	14	NC
24	23	15	
22	21	16	
20	19	17	COM
18	17	18	
16	15	19	NC
14	13	20	
12	11	21	LD
10	9	22	NC
8	7	23	
6	5	24	
4	3	25	
2	1	26	

Socket: 8PFA1 (OMRON)



No.	Symbol	Description
1	OUTPUT	+
2		-
3		N.C.
4		
5		
6	POWER	U
7		V
8		Power supply