

Digital valve controllers

DC-AX4



The DC-AX4 controller is a multi-functional type that supports all the digital valve (5-phase motor type) models. The pressure and flow levels of a total of 80 channels (8 channels x 10 files) can be selected using the channel signals (CH) and file signals (FL).

Using the six function keys and four numerical indicators on the front panel, settings can be established by simple operation, and the valve statuses can be displayed on the indicator in real time even during digital valve control.

Expansion functions such as connection with external digital switches or step signal input via programmable controllers are also available.

Model Code

DC-AX4-B-10

1 2 3 4 5

1 Digital valve controller

2 Multi-functional type

3 Energization system

4: 5-phase stepping motor, 4-phase energization

4 Mounting method

B: Front panel mounting type

5 Design no.

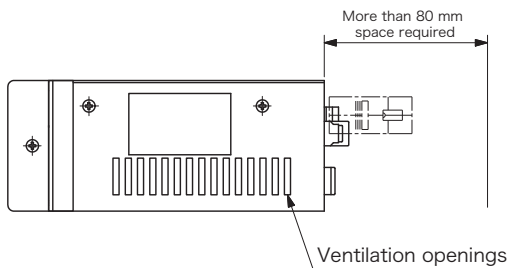
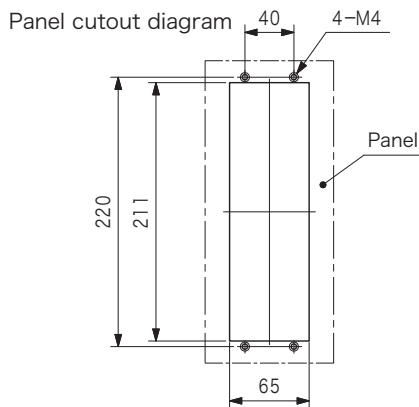
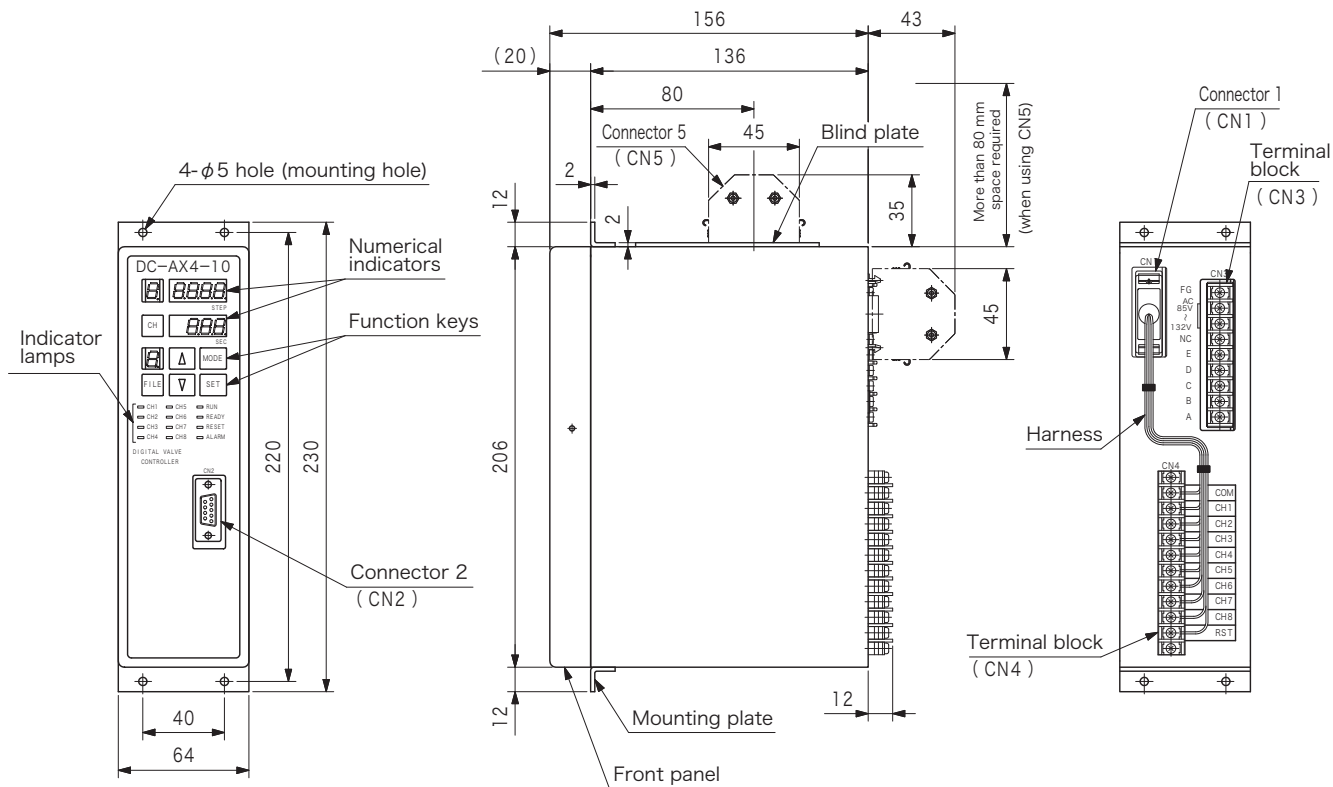
Specifications

Model Code		DC-AX4-B-10	
Power requirements		AC85 V ~ 132 V 50/60 Hz	
Power consumption		Less than 30 VA	
Control input/output signals		DC 12 V to 24 V contact or no-contact signal; power consumption of less than 10 mA/point	
		Input signals: 8 channel inputs (CH1 to CH8), RST : 5 file inputs (FL1 to FL4 and FILE)	
		Output signals: 7 valve ready, file ready, alarm, setting/control signals	
External digital switch input/output		Input port: 12, SD0 to SD11 Output port: 8 channel select (CHS1 to CHS8)	
Settings	No. of setting channels	80 channels: 8 channels x 10 files, incorporated inside controller 8 channels: External BCD real code digital switches (with diodes)	
	Setting range	Relief valve 0~250	Flow control valve 0~250
		Directional & flow control valve (01 size) -100~+100	Directional & flow control valve (03 size and up) -157~+157
Arrival time setting range	0.01 to 9.99 sec. Separate settings for each channel, setting in 0.01 sec. increments possible		
Output		For 5-phase stepping motor, 4-phase energization system Current capacity 0.75 A/phase (with static energization)	
Communication		Built-in RS-232C transmission/reception functions (send/receive 1 group), D-sub 9-pin standard connector	
Weight		1.5 kg	

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Digital Valve Control Systems

Dimensions



Dedicated Harness

● Harnesses for valve connections

DC-H-DV-600-10



1 Dedicated harness

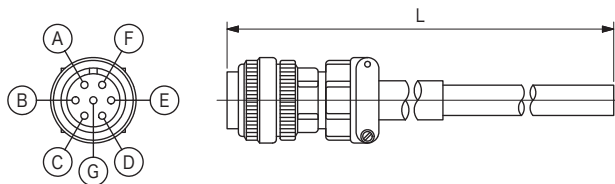
2 For valve connections

3 Length (L)

200: 2 m 300: 3 m 600: 6 m

1000: 10 m 1500: 15 m 2000: 20 m

4 Design no.



Pin identification	A	B	C	D	E	F	G
Insulator color	Red	Green	Yellow	Brown	Black	White	—