

CONTROL AMPLIFIER FOR EHF3

ECAF-FB2



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This control amplifier is constructed compactly by adopting a switching power supply and can operate with a wide range of power supplies (85 to 250 VAC (50/60 Hz) and 110 to 250 VDC).

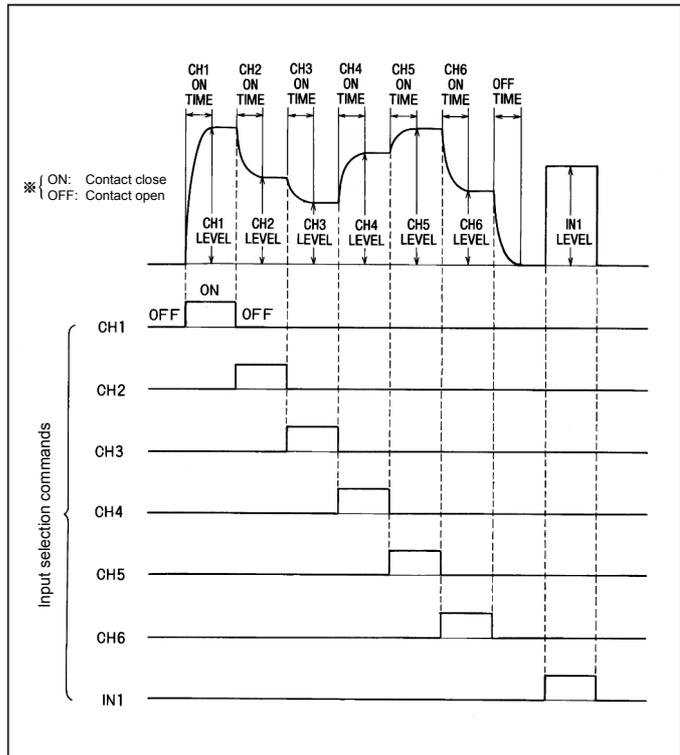
FEATURES

1. The amplifier incorporates six pressure setting units and can handle multi-stage pressure control on up to six channels.
 2. The time settings for switchover among the channels can be made independently.
 3. When there are multiple flow settings using one control valve, multiple-stage setting and shock relief are possible without installing external setting units.
- The cord connecting the valve coil connection terminal to the valve coil should have a current capacity of 1 A or larger, and the voltage drop in the connection cord should be limited to within 2 V.
 - If the SOL connection terminal is disconnected with the power on, a surge voltage is generated and it may degrade the solenoid insulation.
 - Simultaneous selection of more than one channel may cause trouble. An input selection command should be used for each channel, independently.
 - For the external voltage input (VIN1, VIN2), use a shielded cable. The shielded cable should be connected as specified: VIN1 to terminal No. 10 and VIN2 to terminal No. 14. (Terminal Nos. 10 and 14 are connected in the amplifier).

SPECIFICATIONS

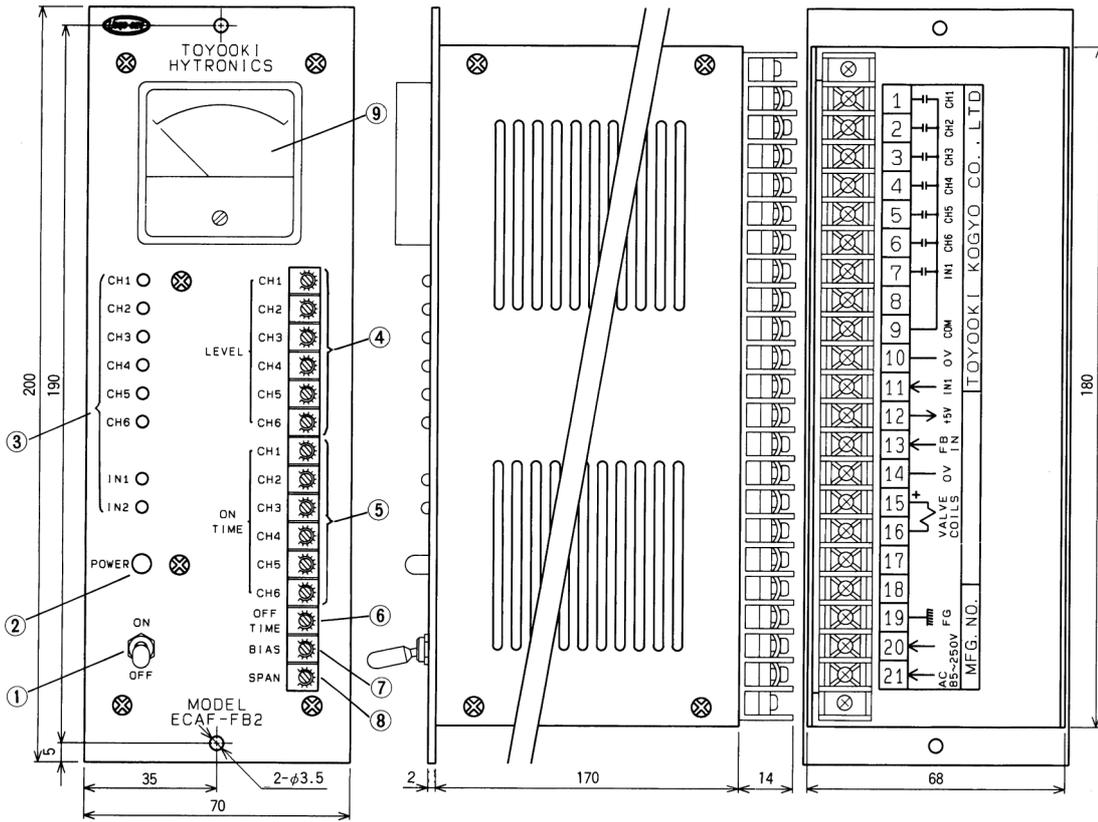
Model	ECAF-FB2	
Power supply voltage	85 to 250 VAC, 50/60 Hz, 110 to 250 VDC	
External input voltage	0 to +5 V	
Input	Voltage input	2 inputs
	Contact input	6 contacts (input selection command), 12 VDC, 2.4 mA
	Feedback input	1 input
Max. gain	1 A / 5 V	
Input impedance	10 k Ω	
Rated output current	1 A	
Time setting adjustment range	0.07 to 7 s (CR time constant curve)	
Valve/coil resistance	8 Ω at 20°C	
Mass	1.8 kg	
Operating temperature range	0 to 50°C	
Max. power consumption	40 VA	

TIME CHART



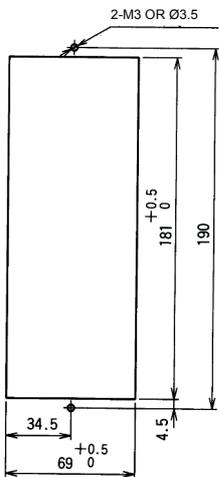
EXTERNAL VIEW AND NOMENCLATURE

● ECAF-FB2



- ① Power switch
- ② POWER pilot lamp
- ③ Input selection indicating lamps
- ④ Flow setting knobs (LEVEL)
- ⑤ Rise time setting knobs (ON TIME)
- ⑥ Fall time setting knobs (OFF TIME)
- ⑦ Minimum pressure setting knob (BIAS)
- ⑧ Maximum pressure setting knob (SPAN)
- ⑨ Ammeter

● Mounting Hole Dimensions



● Terminal Functions

Terminal No.	Descriptions
1	CH1
2	CH2
3	CH3
4	Input selection command
5	
6	
7	
8	
9	
10	COM
11	Input signal
12	
13	Feedback input signal
14	
15	Output to valve
16	
17	
18	Spare
19	Frame ground
20	Power input 85 to 250 VAC 110 to 250 VDC
21	

● Terminal Connection

