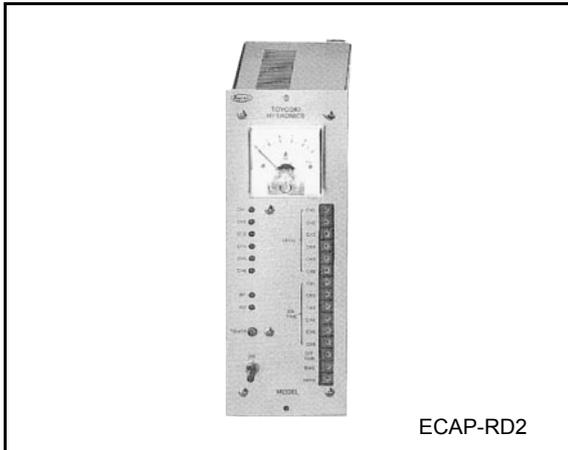


# CONTROL AMPLIFIER FOR EHR3 AND EHG3

## ECAP-RD2



ECAP-RD2

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).

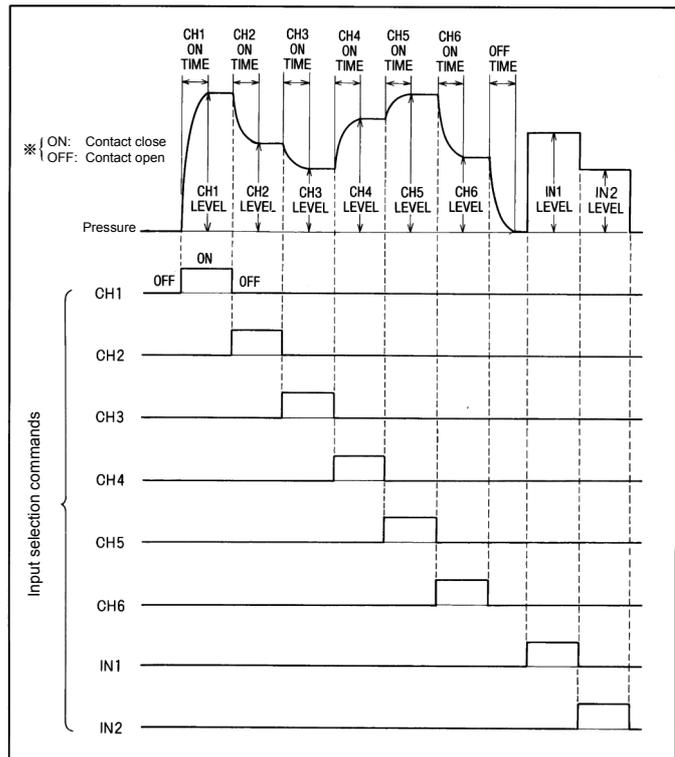
### FEATURES

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

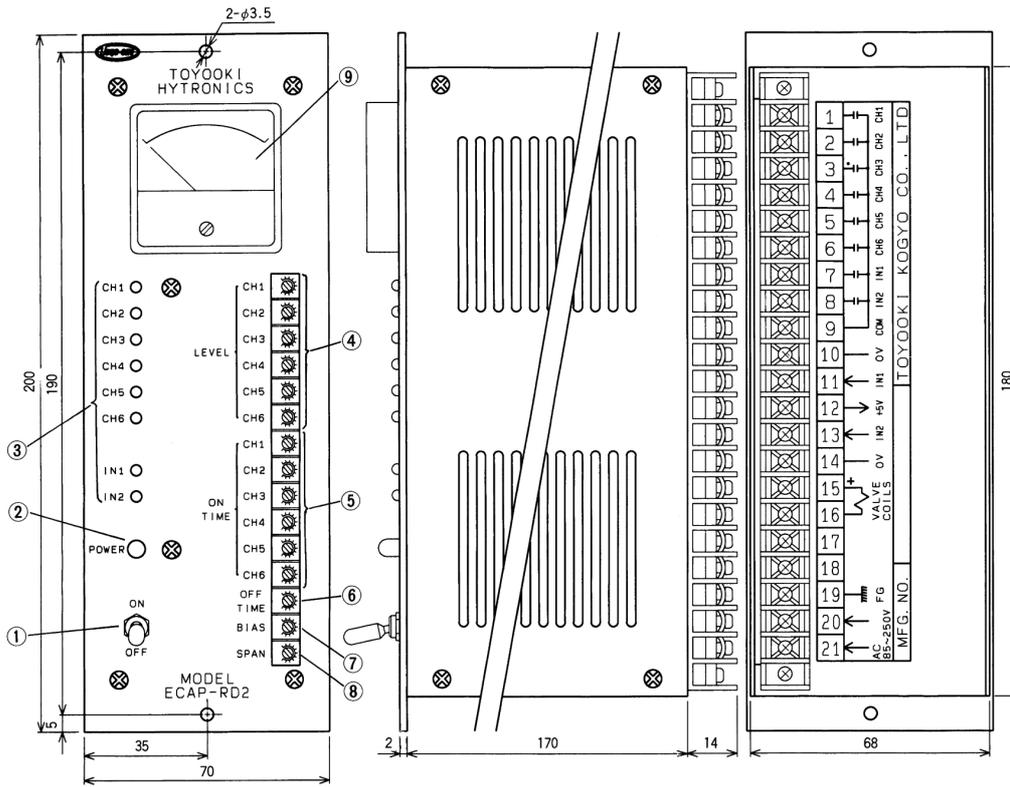
Model		ECAP-RD2
Power supply voltage		85 to 250 VAC, 50 to 60 Hz, 110 to 250 VDC
External input voltage		0 to +5 V
Input	Voltage input	2 inputs
	Contact input	6 contacts (input selection command), 12 VDC, 2.4 mA
Max. gain		1 A / 5 V
Input impedance		10 kΩ
Rated output current		1 A
Time setting adjustment range		0.07 to 7 s (CR time constant curve)
Valve/coil resistance		13Ω at 20°C
Mass		1.8 kg
Operating temperature range		0 to 50°C
Max. power consumption		50 VA

### TIME CHART



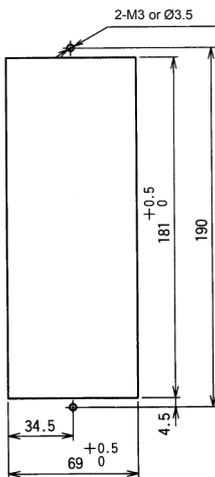
# EXTERNAL VIEW AND NOMENCLATURE

## ● ECAP-RD2



- ① Power switch
- ② POWER pilot lamp
- ③ Input selection indicating lamps
- ④ Pressure setting knobs
- 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	CH4
5	CH5
6	CH6
7	IN1
8	IN2
9	COM
10	OV
11	IN1
12	+5V
13	IN2
14	OV
15	Output to valve
16	Spare
17	
19	Frame ground
20	Power input 85 to 250 VAC 110 to 250 VDC
21	

### ● Terminal Connection

