



# FD-EPA0

Amplifier Units Zero line type



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

Model		FD-EPA0
Type		Zero line type*1
Number of control outputs		—*2
Number of analog outputs		—
Number of external inputs		—*2
Power supply cable		No cable
Response time (90% response)	Flow rate	50 ms/100 ms/250 ms/1 s/5 s (selectable, initial value: 250 ms) *3
	Pressure	2.5 ms/10 ms/50 ms/100 ms/250 ms/1 s/5 s (selectable, initial value: 2.5 ms) *3
I/O	Control outputs 1, 2, and 3	Instantaneous flow/Accumulated flow/Pressure/Alarm output/Predictive maintenance output/Seating Confirmation (output 1 only)/Pulse output NPN/PNP setting switchable, 100 mA or less total for three outputs, residual voltage: 2.5 V or less
	Analog output	Instantaneous flow/Pressure 4-20 mA/0-20 mA (switchable), load resistance: 260 Ω or less
	External inputs 1 and 2	Zero flow/Origin adjust./Atmospheric pressure correction/Pressure zero shift/Reset total/App. learning/App. reset Short-circuit current: 1.5 mA or less
Network compatibility		NU Series compatibility
Number of connectible units		Eight units per one NU1 main unit; four units per one FS-MC8N/P main unit*1
Protection circuit		Protection against incorrect head cable wiring
Power supply	Power voltage	24 VDC ± 10% (including ripple), Class2/LPS
	Power consumption	1400 mW excluding load current *4
Environmental resistance	Ambient temperature	−10°C to +55°C 14 to 131°F (no freezing)*4
	Relative humidity	35%RH to 85%RH (no condensation)
	Vibration resistance	10 to 500 Hz, power spectral concentration: 0.816 G <sup>2</sup> /Hz, XYZ axes
	Shock resistance	100 m/s <sup>2</sup> , 16 ms pulse, XYZ axes, 1000 times for each axis
Material		Main unit: polycarbonate, FG terminal: copper/iron
Weight		Approx. 26 g 0.92 oz

\*1 To use the zero line type, connect it to the FS-MC8N/P, NU Series.  
\*2 This counts as 2 outputs/2 inputs when connecting multiple units to the FS-MC8N/P, NU Series.  
\*3 5 ms is added to the analog output response time and the response is set to 63%.  
\*4 The ambient temperature to use varies depending on the number of adjacent cable type/M12 connector type units or depending on the number of expansion zero line type units added to the system. For 1 or 2 units, the temperature is 55°C 131°F. For 3 to 5 units, the temperature is 50°C 122°F. For 6 to 8 units, the temperature is 45°C 113°F. The prescribed values for the ambient temperature assume that the amplifier unit has been mounted on a DIN rail installed on a metal surface. Exercise special care when installing the product in an airtight space.

# Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

FD-ECA0/EPA0

