AP-V82W

Amplifier Unit, DIN Rail Mount Type, Differential Pressure, NPN

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

Specifications

Model			AP-V82W
Type			Differential pressure type (DIN), NPN
Display			2-level display with 4 1/2-digit, 7-segment LED (Character height: Upper level: 8 mm 0.32", red, Lower level: 5.7 mm 0.22", green) Alarm indicator: Red LED
Operation indicator			Red LED x 3 (corresponding to control output 1 and 2)
Display resolution			AP-10SK/AP-11SK: Standard mode 0.1inchHg, High-resolution mode 0.01inchHg AP-12SK:Standard mode/0.01PSI, High-resolution mode/0.001PSI AP-13SK:Standard mode/0.1PSI, High-resolution mode/0.01PSI AP-14SK:Standard mode/1PSI, High-resolution mode/0.1PSI AP-15SK/AP-16SK:Standard mode/10PSI, High-resolution mode/1PSI
Power consumption	Normal		12V:1680mW(140mA) or less 24V:2520mW(105mA) or less*1
Hysteresis			Variable (Standard: 0.5% of FS; high-resolution: 0.1% of F.S.)
Response time (Chattering prevention function)			Selectable from 10, 100, 500 and 1000 ms
I/O	Analog output		4 to 20 mA, Maximum load resistance: 260Ω .
	Zero-shift input		Input time of 20 ms or more. (or analog output selectable)
	Bank input		
	Control output		NPN (PNP) open collector x 2 channels (N.O./N.C. selectable), 40 VDC (30 VDC) max., 100 mA max. with residual voltage of 1 V max.
Rating	Power voltage		12 to 24 VDC Ripple (P-P) 10% or less
	Power consumption	Eco mode	12V:1200mW(100mA) or less 24V:2160mW(90mA) or less*1
Environmental resistance	Ambient temperature		-10 to +50°C (14 to 122°F), No condensation
	Relative humidity		35 to 85%, No condensation
	Vibration resistance		10 to 55 Hz, 1.5 mm 0.06" double amplitude in X, Y, and Z directions, 2 hours respectively
Material			Housing and cover: Polycarbonate, Keytop: Elastomer
Accessories			AP-V80W (P) / V82W (P): DIN-rail mounting bracket, power cable, unit stickers
Weight			Approx. 90 g

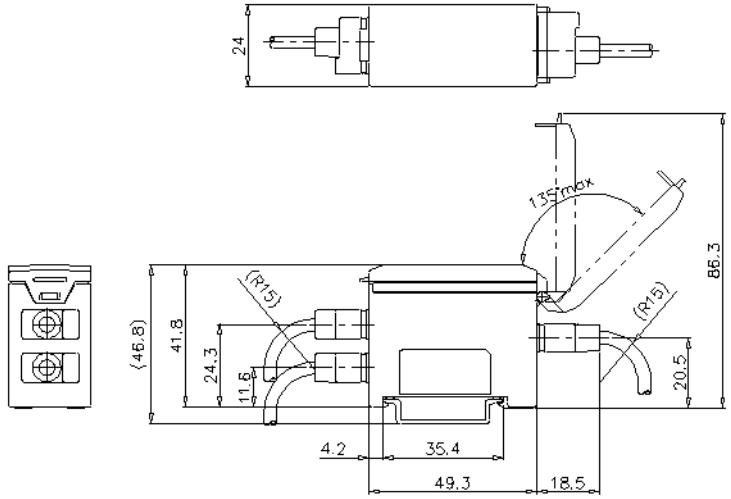
*1 Excluding the current for analog output Including the current for the sensor head

Dimensions

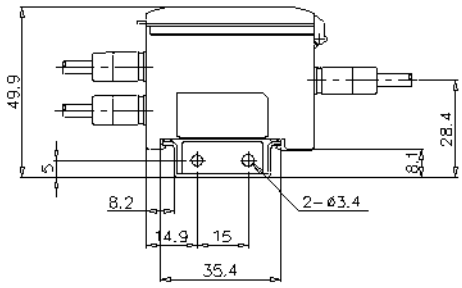
* Download CAD file or product manual for larger image/text and more detail.

AP-V82

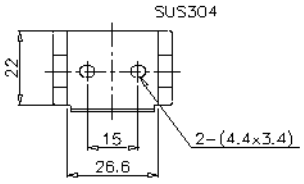
DIN-rail mounting



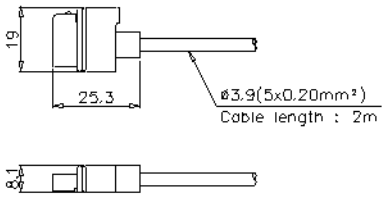
When mounting bracket is attached



Mounting bracket



Power supply cable



I/O Circuit Connection diagram

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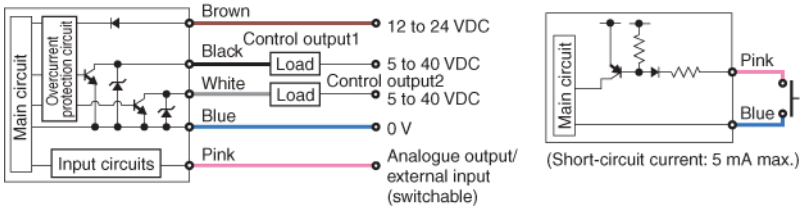
External input circuit(Zero-shift input, bank switching NPN)



Analogue output circuit