



AP-V42AWP
Amplifier Unit, Expansion Unit, PNP



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

Specifications

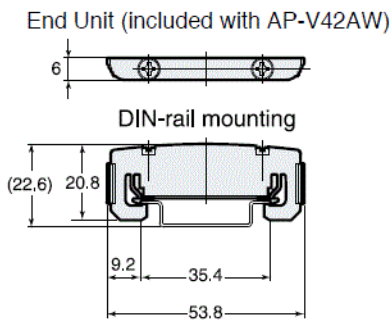
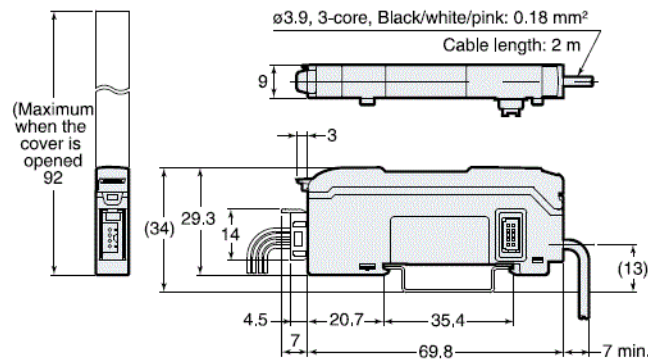
Model			AP-V42AWP
Type			Amplifier Unit, PNP
Applicable sensor head			AP-41M, AP-41, AP-43, AP-44
Set and display range			-15 to +110 % of F.S.*1
Display			4 1/2-digit, 2-color, 7-segment LED (Character height: 4.5 mm 0.18"), AI indicator (green), Display cycle: 10 times/s
Operation indicator			Red LED x 2 (corresponding to control output 1 and 2)
Repeatability			±0.2 % of F.S.
Display resolution			AP-41M/41/44: Standard mode 0.1 inchHg, High-resolution/Focus mode 0.01 inchHg AP-43: Standard mode 0.01 kgf/cm ² , High-resolution/Focus mode 0.02 Psi
Power consumption	Normal		12 V: 720 mW (60 mA) max., 24 V: 960 mW (40 mA) max.
Display temperature characteristic			±1 % of F.S. max.
Hysteresis			Variable (Standard: 0.5 % of FS; high-resolution/focus mode: 0.1 % of F.S.)
Response time (Chattering prevention function)			1 (in high-speed mode only), 2.5, 5, 100, or 500 ms (selectable)
I/O	Analog output		-
	Zero-shift input		Input time: 2 ms or more. (or analog output selectable)
	Control output		PNP open collector 20 mA max. (at 30 V or below) with max., residual voltage of 1 V, 2 outputs (NO or NC selectable)
Rating	Power voltage		12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Power consumption	Eco mode	12 V: 480 mW (40 mA) max., 24 V: 720 mW (30 mA) max.
Environmental resistance	Ambient temperature		0 to +50 °C 32 to 122 °F (No freezing)
	Relative humidity		35 to 85 % RH (No condensation)
	Vibration resistance		10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Material			Polycarbonate
Accessories			End Unit, Head Connector, and Expansion seal
Weight			Approx. 80 g (with 2-m 6.6' cable)

*1 The focus range applies while in focus mode only.

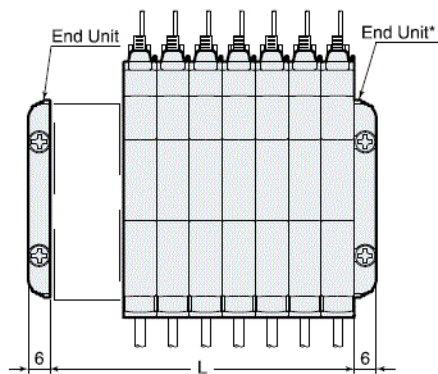
Dimensions

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

Amplifier Unit
AP-V42AW Series



When several units are connected



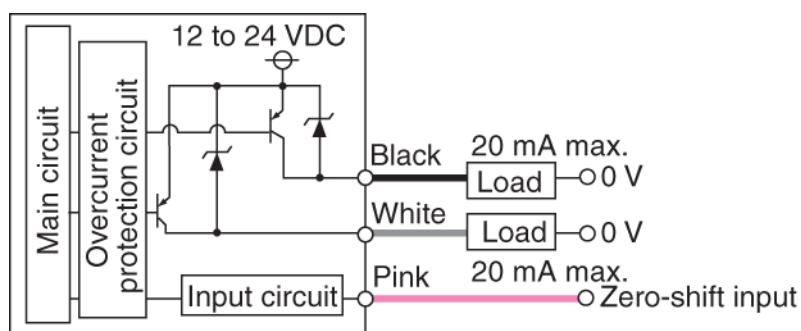
* When using expansion units, be sure to use the end unit.

No. of expansion units	L (mm)
1	18
2	27
3	36
4	45
5	54
6	63
7	72
8	81

I/O Circuit Connection diagram

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I/O circuit diagram (AP-V42AWP)



Zero-shift input circuit (AP-V41AWP/V42AWP/C40WP)

