



FW-V20

Amplifier Unit



SPECIFICATIONS

Model			FW-V20
Type			NPN
Rating	Power voltage		24 VDC, Ripple (P-P): 10% max.
Current consumption	When connected with the FW-H02/H07	Normal	1680 mW (70 mA) or less ^{*1}
		Power save	1370 mW (57 mA) or less ^{*1}
	When connected with the FW-H10R	Normal	2640 mW (110 mA) or less ^{*1}
		Power save	2330 mW (97 mA) or less ^{*1}
Display power			2-row display with signed 3-digit, 7-segment LED (Character height: Upper row: 8 mm, red; Lower row: 5.7 mm, green) Refresh rate: 10 times/sec. (5 times/sec. when using the display averaging function)
Operation status indicators			Red LED x 2 (corresponding to Control output 1 and Control output 2), Green LED x 2 (Display CH indicator)
Chattering prevention function			Selectable from OFF, 0.5, 1, 2, 5, and 10s (Selectable from OFF, 1, 2, 5, and 10s when connected to the FW-H10R)
Bank/external shift input			Non-voltage input (contact/non-contact inputs), Input time: 25 ms min. (This input/analogue output is selectable.)
Control output			NPN open collector, 100 mA 40 V max. Residual voltage: 1 V max., 2 outputs (N.O./N.C. switch-selectable)
Protection circuit			Reverse connection protection, over-current protection, surge absorber
Analogue output			4 to 20 mA, maximum load resistance: 260 Ω (Bank/external shift input/analog output selectable)
Environmental resistance	Ambient temperature		-10 to +55 °C (No freezing)
	Relative humidity		35 to 85 % RH (No condensation)
	Vibration resistance		10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each of the X, Y, and Z axis
Material			Main unit and cover: Polycarbonate, Keycaps: elastomer
Accessories			Mounting bracket, power cable, and instruction manual
Weight			Approx. 85 g (Including a 2-m power cable)

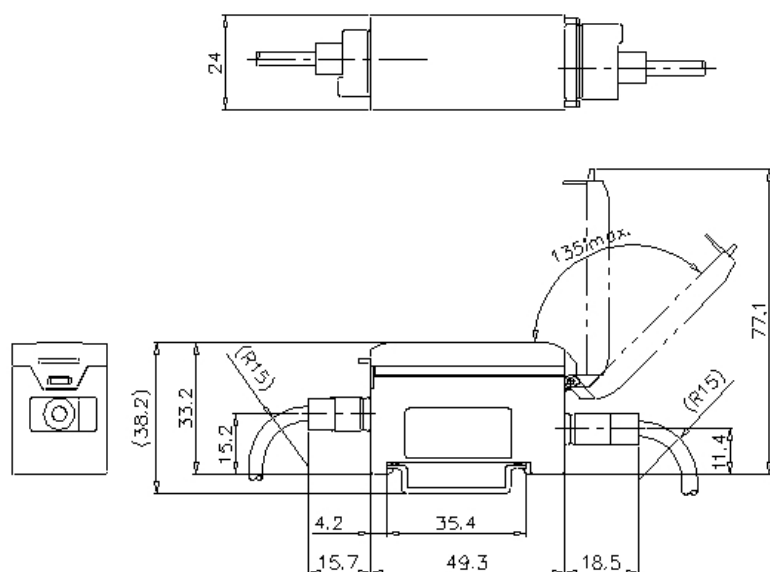
^{*1} Excluding analog output. Includes head unit.

Dimensions

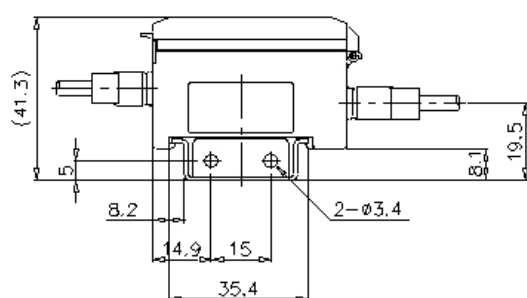
* Download CAD file or product manual for larger image/text and more detail.

FW-V20(P)

DIN-rail mounting

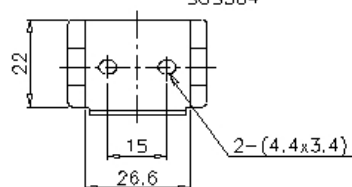


When mounting bracket is attached

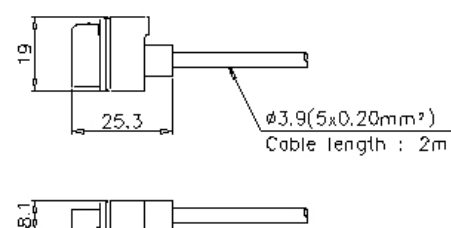


Mounting bracket

SUS304



Power supply cable



I/O Circuit Connection diagram

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

- NPN
- FW-V20/FW-V25
- Input/Output circuit
- External shift input/
- Bank switching input circuit
- Analogue output circuit

