TOA

DIGITAL POWER AMPLIFIER MODULE VX-050DA
500W

■DESCRIPTION

The VX-050DA is an Digital power amplifier used for the VX-3000 systems which is compliant with the European Standard EN54 for fire alarm systems.
It is a module type with 1 channel of class-D digital power amplifier, which contribute to energy-saving and light weight design.
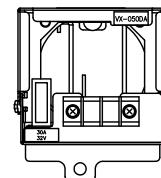The VX-050DA also features standby mode to be set for reducing standby power consumption.
It requires a dedicated control units VX-3004F, VX-3008F, VX-3016F and power supply unit VX-3000DS.
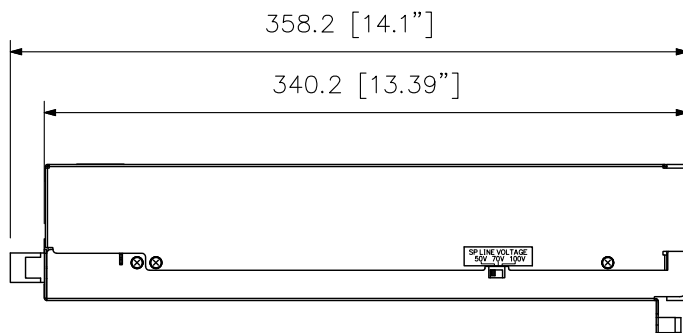
■SPECIFICATIONS

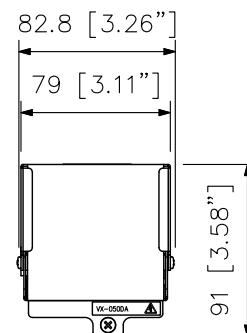|	
Power Source	31 V DC (operating range: 20 - 33 V DC) DC power in: M4 screw terminal, distance between barriers: 11 mm (0.43")
Amplification System	Class D
Power Consumption	1.3 W (standby mode), 16 W (no audio input), 100 W (1/8 rated output), 590 W (rated output) at 31 V DC, output voltage selection switch: 100 V
Rated Output Power	500 W (at 100 V line and min. impedance and max. capacitive load) 350 W (at 70 V line and min. impedance and max. capacitive load) 250 W (at 50 V line and min. impedance and max. capacitive load) (at AC Mains VX-3000DS or VX-3150DS: 187 - 253 V)
Output Voltage	100 V (70 V, 50 V: selectable)
Minimum Impedance Load	20 Ω (at 100 V line), 14 Ω (at 70 V line), 10 Ω (at 50 V line)
Maximum Capacitive Load	0.5 μF
Number of Channels	1
Input	DA CONTROL LINK: Nylon connector (15 pins)
Output	DA OUTPUT LINK: Nylon connector (2 pins)
Frequency Response	40 Hz - 20 kHz: -5 to +1 dB (at 100 V line, 30 dB (∗1) output)
Distortion	1 % or less (at 100 V line, rated output, 1 kHz)
Signal to Noise Ratio	100 dB or more (at 100 V line, A-weighted)
Operating Temperature	-5 ℃ to +45 ℃ (23 ℉ to 113 ℉)
Operating Humidity	90 %RH or less (no condensation)
Finish	Surface-treated steel plate
Dimensions	82.8 (W) × 91 (H) × 358.2 (D) mm (3.26" × 3.58" × 14.1")
Weight	1.4 kg (3.09 lb)
Accessory	DA CONTROL LINK Cable ⋯1, DA OUTPUT LINK Cable ⋯1, DC FUSE (30 A) ⋯1

(∗1) 0 dB = 1 V

■APPEARANCE

Rear View

358.2 [14.1"]

340.2 [13.39"]

82.8 [3.26"]

79 [3.11"]

91 [3.58"]

Side View

Front View