

VX-050DA

DIGITAL POWER AMPLIFIER MODULE 500W



The VX-050DA is a 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.

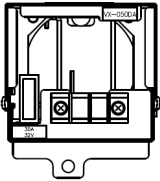
Key features

- Low loss modular class-D amplifier
- Modules to be mounted in the frame units
- Power level: 500 W
- Can easily be removed or replaced simply by unplugging them; no need for special tools
- Dust filter, easy to clean
- 100 V Output without transformer resulting in light-weight units
- Fuse easily accessible from rear

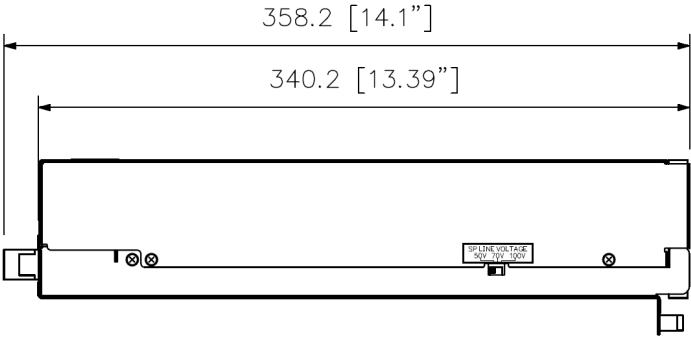
Specifications

| | |
|-------------------------|---|
| Power Source | 31 V DC (operating range: 20 to 33 V DC) DC power in: M4 screw terminal, distance between barriers: 11 mm (0.43") |
| Amplification System | Class D |
| Power Consumption | 100 W at 31 V DC |
| Rated Output | 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 to 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 μ F |
| Number of Channels | 1 |
| Input | DA CONTROL LINK: Nylon connector (15 pins) |
| Output | DA OUTPUT LINK: Nylon connector (2 pins) |
| Frequency Response | 40 Hz to 20 kHz: -5 to +1 dB (at 100 V line, 30 dB* 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 °C to +45 °C (23 °F to 113 °F) |
| Operating Humidity | 90% RH or less (no condensation) |
| Finish | Surface-treated steel plate |
| Dimensions | 82.8 (W) x 91 (H) x 358.2 (D) mm (3.26" x 3.58" x 14.1") |
| Weight | 1.4 kg (3.09 lb) |
| Included Accessories | DA CONTROL LINK Cable x 1, DA OUTPUT LINK Cable x 1, DC FUSE (10 A) x 1 |

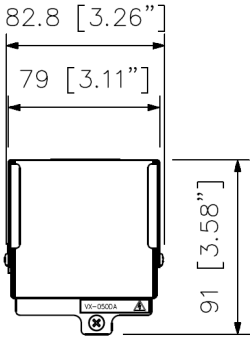
Dimensions



Rear View



Side View



Front View

UNIT:mm

A&E specifications

Amplifier module with highly efficient digital class-D amplifier with an output power of 500 watts and internal low-loss voltage converter of advanced switching technology. Lightweight through floating speaker line output without transformer. Output voltage switchable between 50, 70 and 100 volts. Fuse easily accessible from the back. Ventilation with easy to clean filter.