

Previdia UltraVox fire-detection control panel

Fire-detection control panel with integrated EVAC



Basic control panel with fire detection and voice evacuation functions, to which the FPM, FPAM, IFM and IFAM function modules can be added. The cabinet, model PRCAB+, is complete with plastic door and housing for the PTT microphone and emergency telephone.

Includes:

- N°1 FPMCPU Module - Control panel with display for fire detection and alarm functions
- N°1 FPAMIAS Module - Control panel with display for Evac voice functions and public address
- N°1 IFAMPSSU Module - 1000W power-supply module with battery charger
- N°1 IFAMEVAC Module - Audio matrix module for signals processing
- N°1 IFAMAMP Module - 250W amplifier module
- N°1 IFM2L Module - 2 loop module
- N°1 PTT microphone

Main features

- 7" double touch screen, 65000 colours
- Fire detection and alarm functions (same as the PREVIDIA MAX system)
- Management functions for GAS extinguishing systems (same as the PREVIDIA MAX system)
- Integrated management of the EVAC functions (Voice Evacuation)
- Integrated management of the Public Address functions (Sound diffusion and audio entertainment)
- Management of 8 local digital audio tracks and 8 digital audio tracks coming from the network
- Management of up to 30 250W class D amplifiers
- 1000W power supply included expandable up to 4000W (by adding PRCAB+ cabinet)

- Impedance control of speaker lines by means of pilot tone
- A/B lines management
- Ring Speaker Line Management with optional isolators
- Management of Backup amplifier
- Management of two lines of standard and emergency microphone bases (max. 64 per line)
- Internal audio memory for emergency and customizable messages
- SD card management for additional audio
- N°2 Analog Music audio inputs
- N°2 analog audio AUX inputs with priority acquisition via contact or signal level
- IDANET network on Ethernet point-to-point or optical fiber, max 48 control panels, shared audio
- Possibility to connect up to 4 cabinets together (up to 3 additional PRCAB+)
- Up to 1000 Audio zones
- Cause and effect integration with fire-detection system by means of activation groups
- Memory of the last 2000 events on the Fire section controller and the last 2000 events on the EVAC section controller
- Advanced management of audio Entertainment (see the IASS and IAC APP server section)
- Customisable messages for each audio zone and for the different activation scenarios

Technical specifications of the Previdia UltraVox fire-detection control panel

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|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| POWER SUPPLY VOLTAGE | 90 ~ 264VAC 47 ~ 63Hz |
| MAXIMUM CURRENT DRAW | 8.5A @ 115VAC 5A @ 230VAC |
| OUTPUT VOLTAGE | 26V DC NOMINAL 20 - 27,6 V |
| OUTPUT VOLTAGE ON SPEAKER LINES | 100 Vrms |
| MAXIMUM CURRENT OUTPUT BY THE POWER-SUPPLY MODULE | 38 A |
| CURRENT AVAILABLE FOR THE SYSTEM | 35 A |
| MAXIMUM BATTERY-CHARGE CURRENT | 3 A |
| BATTERY | 2 x 12 V 17 Ah or 2 x 12 V 38 Ah |
| OPERATING TEMPERATURE | -5°C .. 40°C |
| MAXIMUM POWER MANAGEABLE | 1000W FOR EACH POWER-SUPPLY MODULE (MAX. 4000 W WITH 4 CABINETS E 4 POWER-SUPPLY MODULES) |
| SPEAKER LINES SUPERVISION | THROUGH 20KHZ TONE WITHOUT NEED OF EOL (EXCEPT FOR A LINE WITH A LOAD OF LESS THAN 20W, IN WHICH CASE AN IAS-EOL1000 MUST BE USED) |
| IP PROTECTION GRADE | IP 30 |
| DIMENSIONS | 67,5 x 43 x 26 cm |
| CABINET COLOUR | GREY RAL7042 RED RAL3001 |