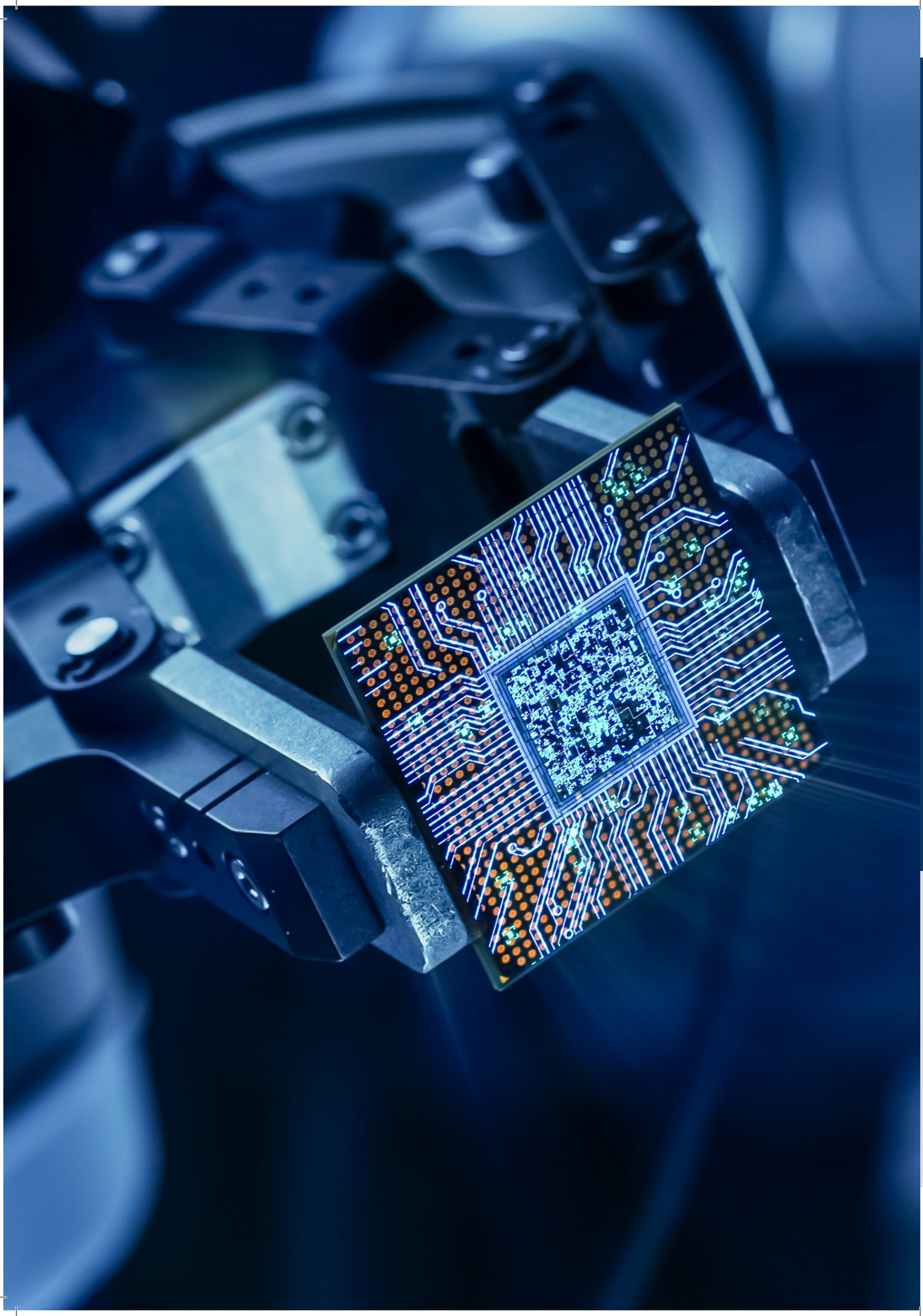


TECHNOLOGY AND EFFICIENCY IN PROTECTION SYSTEMS

TECHNICAL CATALOGUE

Voice alarm systems

cofem®



TECHNOLOGY THAT PROTECTS

In any place where people live and work, dangerous situations may occur, requiring an effective and efficient evacuation of affected areas, in conditions of maximum safety for all occupants and avoiding panic as much as possible.

In these circumstances, time is precious and each second saved means saving human lives. For this reason the use of Intelligent Evacuation Systems - designed to communicate clear and intelligible instructions - is crucial. Alarms transmitted using encoded tones, usually generated by sirens or alarm sounders, are a suitable solution where occupants are periodically trained to behave in a specific way depending on the specific alarm.

However in crowded places, where occupants are occasional bystanders or even foreigners and need to be reassured and guided along safe routes, it is more effective to use a paging microphone and pre-recorded messages, performed in an intelligible way and containing specific instructions on how to behave in situations of alarm or warning (e.g. how to use escape routes).

The normative UNI ISO 7240-19 is in force since 2011, introducing new rules and procedures for the design, installation and maintenance of voice evacuation systems, also known as Sound Systems for Emergency Purposes (SSEP), and the use of EN 54 certified components.

The UNI ISO 7240-19 contains all information necessary for designers, installers, maintenance engineers and construction companies. Electronics must include devices and strategies for self-diagnosis and protection, and must be certified by accredited notified bodies according to EN 54-16, plus the loudspeakers must be in accordance with EN 54-24.

APPLICATIONS

Environments which are more critical in terms of occupants' safety (since they are the most critical to be alerted and evacuated) are those with the highest concentration of people. The risk is high and the area to evacuate particularly extended.

Examples: hospitals, schools, shopping centres, sales areas, places of entertainment (cinemas, theatres, clubs, etc.), densely populated buildings (offices buildings), factories (production sites, warehouses, etc.), power stations, chemical industries, railway stations, subways and airports are the most common structures.

SYSTEMS' AVAILABILITY

An intelligent EN54-certified evacuation system must be operational 24 hours a day, every day of the year.

In case of interruption of the primary power supply, it must be powered by a secondary source and its autonomy must be guaranteed for at least 24 hours in a quiescent condition and for 30 minutes in a working condition.

These systems, on which safety depends at all times, must be maintained in perfect working order with periodic inspections.

Intelligent evacuation systems must also be connected to the fire detection system, so that they can react in a programmed way without supervisory staff and communicate the status to the fire alarm system.

INDEX

CFVDXT7000 system

CFVDXT4000-CFVDXT3000 system

Speakers

Rack enclosures and accessories

Sound system

cofem


Emirates



CFVDXT7000 SYSTEM

CFVDXT7000 is a sound system conceived to completely control and manage background music and paging, even for emergency and evacuation purposes.

The system has been designed to fulfil all requirements of EN 54-16 and EN 60849 standard, and it is really scalable, suitable for a wide range of applications: up to 32 CFVMU7100ENMKII can be linked together in order to get an extended system, including many paging stations and up to 256 loudspeaker lines / paging zones.

The main unit can play all necessary evacuation and alarm messages previously stored into its built-in digital memory.

SPARE AMPLIFIER CHANGE OVER BOARD

The line transformer interface override voltage output is used to activate the relay in case of the main amplifier is faulty.

PATH MONITORING

The whole signal path from fireman's microphone to loudspeaker lines is completely and automatically monitored against faults.

The 8 internal digital amplifiers are highly reliable and their efficiency is excellent (> 90%): that means less heat dissipation and smaller capacity required for unbreakable power supply sources (UPS) used in security applications.

A digital Matrix 7x8 is configurable for several applications with routing to any output channel, supported by an efficient Digital Signal Processor (DSP) providing Band Parametric EQ, Filters, Delay circuit for line arrays, Compressor / Limiter and Level controls.

A software utility is available for saving unit parameters to PC, updating unit firmware, virtual control activation and status indication.

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CFVMU7100ENMKII

AMPLIFIED MASTER UNIT

Voice Alarm System Master Unit CFVDXT7000

CFVMU7100ENMKII is the master unit of the CFVDXT7000 Voice Alarm system, designed to fulfill all requirements of EN 54-16 and EN 60849 standard.

The whole signal path from microphone to loudspeaker lines is completely and automatically monitored against faults.

All properties and functions of the system are specified with Windows based CFVDXT7000 configuration software and are downloaded to master unit through its USB port.

FEATURES

- 8 x 7 configurable digital matrix
- Powerful DSP platform on-board
- Dual AC and DC power supply
- 8 x 80 W power amplifier
- PC software configuration
- Emergency messages on monitored memory
- Up to 32 units linked together
- Up to 256 loudspeaker lines

CERTIFICATION

EN 54-16	**CPR: 1438-CPR-0241** CE

SYSTEM SPECIFICATIONS

Number of managed zones:	128
Integrated amplifier:	Si
Spare amplifier automatic change-over:	Si
Max number of consoles:	32
Number of console buses:	2
Number of simultaneous emergency audio channels:	2
Maximum number of pluggable units:	64
Communication bus:	Serial
Connections cables:	FTP CAT 5, FTP CAT 6
Integrated pre-recorded emergency messages:	Yes
Integrated pre-recorded routine messages:	Yes
Message scheduler:	Yes

SYSTEM SPECIFICATIONS

Remote monitoring:	Yes
Protocols for system integration:	ASCII

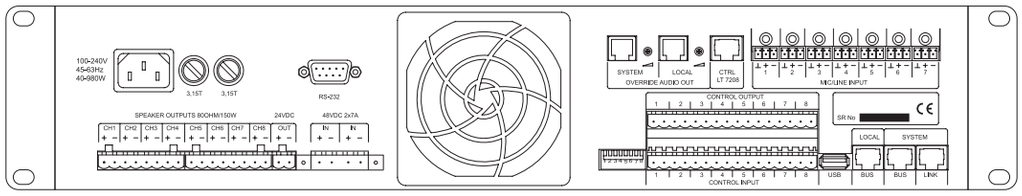
AMPLIFIER SPECIFICATIONS

Amplifier Class:	D
Number of channels:	8
Speaker line A/B:	Yes

INPUT SECTION

Total number of inputs:	9
Balanced:	7
Mono:	7
Mic+Line inputs:	7
Mic+Line connectors:	Euroblock
Paging inputs:	2
Paging connectors:	RJ45





INPUT SECTION

General Purpose Inputs (GPI):	8
Programmable GPI:	Yes
Monitored GPI:	8

OUTPUT SECTION

Power Output Lines:	8
Power output connectors:	Euroblock
General Purpose Outputs (GPO):	8
Programmable GPO:	Yes

PROCESSING

DSP, Filters, Compressor, Delay, Tone control

CONTROLS

Configuration:	Switch, PC Software
Number of programs/presets:	128

Priority, Music on hold, Chime tone

PROTECTIONS

Cooling:	Convection/Forced

Dc Delay, Short Circuit, Thermal, Fuses

POWER REQUIREMENT

Operating voltage:	90-240 V~ 50/60Hz
DC power:	Yes
DC power value:	48 V
Power consumption:	990 W

PHYSICAL SPECIFICATIONS

Rack mounting:	19", 2U
Height:	88 mm / 3.46 "
Width:	485 mm / 19.09 "
Depth:	375 mm / 14.76 "
Weight:	8.4 kg / 18.52 lbs



CFVMT7308

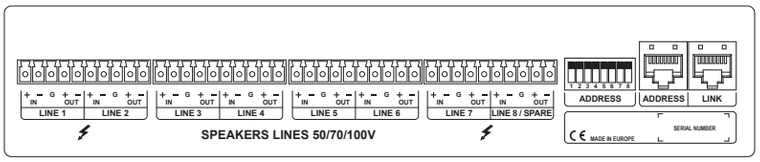
POWER AMPLIFIER MANAGER

Unidad de gestión de amplificadores de potencia del sistema de alarma por voz CFVDXT7000

CFVMT7308 is a power amplifiers manager unit of the CFVDXT7000 Voice Alarm system, suitable to control up to 8 additional power amplifiers and several speaker lines, according to EN 54-16 norm. It works connected to the CFVMU7100ENMKII master unit. When speaker lines drive high power loads, it could be convenient to optimize the system configuration by using one or more dedicated power amplifiers dimensioned according the loads involved.

FEATURES

- Manages up to 8 power amplifiers
- 500 W maximum power of each amplifier
- Up to 8 zones managed
- PC software configuration



CERTIFICATION

EN 54-16	**CPR: 1438-CPR-0241** CE

SYSTEM SPECIFICATIONS

Number of zones managed:	8
Max number of pluggable units:	2 (for each one CFVMU7100ENMKII)
Max power of each external amplifier:	500 W RMS
Spare amplifier automatic change-over:	Yes
Communication bus:	Serial
Connections cables:	FTP CAT 5, FTP CAT 6
Output lines connectors:	Euroblock
Configuration:	PC software

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	Metal
Rack mounting:	1/2 19", 2U
Height:	44 mm / 1.73 inches
Width:	215 mm / 8.46 inches
Weight:	0.98 kg / 2.16 lbs



CFVLT7208ENMKII

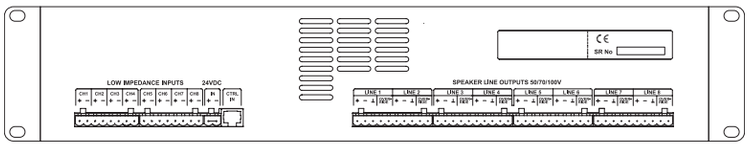
LINE TRANSFORMER INTERFACE LINE TRANSFORMER INTERFACE

Unit for converting speaker outputs

The CFVLT7208MKII unit has 8 internal transformers (80 W / each) to convert the 8 ohm loudspeakers outputs of CFVMU7100ENMKII master unit into constant voltage lines (100 - 70 - 50 V) for loudspeakers equipped with line transformers. It allows to implement several power configurations, such as 8 x 80 W, 4 x 160 W and 2 x 320 W.

FEATURES

- 8 built -in line transformers
- Link/group MU 7100EN amplifiers
- Speakers line monitoring
- Supports different line voltage setting



CERTIFICATION

EN 54-16 **CPR: 1438-CPR-0241** CE

SYSTEM SPECIFICATIONS

Number of inputs:	8
Input impedance:	8 Ohm
Output voltage:	100 V (on request: 70 V – 50 V)
Power output (@ 100 V):	640 W RMS
Communication bus:	Serial
Connections cables:	FTP CAT 5, FTP CAT 6
Output lines connectors:	Euroblock

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	Metal
Rack mounting:	1/2 19", 1U
Height:	88 mm / 3.46 inches
Width:	485 mm / 19.09 inches
Depth:	382 mm / 15.04 inches
Weight:	13 kg / 28.66 lbs



CFMUP8501
CFMUP8502
CFMUP8504

POWER AMPLIFIER

CFMUP8500 Series Power Amplifiers

The CFMUP8500 series power amplifiers are designed with an innovative RCF power supply and amplification technology. The full digital technology allows merging extremely high efficiency both with AC and DC power supply, pro audio quality reproduction and compactness. All CFMUP8500 series power amplifiers are certified according to EN 54-16 standard in combination with CFVDXT7000 Voice Alarm system.

FEATURES

- 500 W power amplifier (CFMUP8501)
- 2 x 250 W power amplifier (CFMUP8502)
- 4 x 125 W power amplifier (CFMUP8504)
- 2 inputs per channel
- Dual AC and DC power supply
- Priority circuit
- No output lines transformers
- Status LEDs on front panel

CERTIFICATION

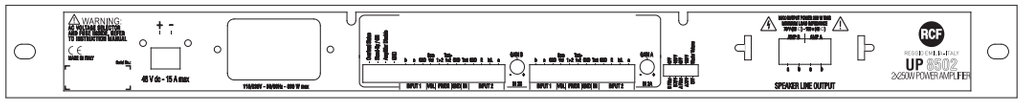
EN 54-16 **CPR: 1438-CPR-0241** CE

AMPLIFIER SPECIFICATIONS	CFMUP8501	CFMUP8502	CFMUP8504
Amplifier Class:	D	D	D
Number of channels:	1	2	4
Power output (@ 100 V):	500 W RMS	500 W RMS	500 W RMS
Frequency Response (-3dB):	40 Hz ÷ 16 kHz	40 Hz ÷ 16 kHz	40 Hz ÷ 16 kHz
Signal/noise rate ("A" weighted)	>86 dB	>86 dB	>86 dB
Crosstalk	-	<70 dB	<60 dB
Distortion (THD+N) @ 1 kHz nominal power	<0.3 %	<0.3 %	<0.3 %
INPUT SECTION			
Total number of inputs:	3	6	12
Balanced:	2	4	8
Unbalanced:	1	2	4
Mono:	3	6	12
Line inputs:	3	6	12
Line connectors:	Euroblock	Euroblock	Euroblock
OUTPUT SECTION			
Output lines connectors:	Euroblock	Euroblock	Euroblock
General Purpose Inputs (GPO):	1	2	4

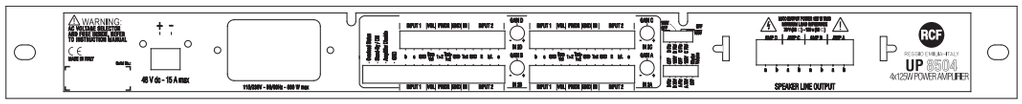




CFMUP8501



CFMUP8502



CFMUP8504

CONTROLS	CFMUP8501	CFMUP8502	CFMUP8504
Configuration:	DIP switch, Front panel	DIP switch, Front panel	DIP switch, Front panel
Priority:	Yes	Yes	Yes
PROTECTIONS			
Cooling:	Forced	Forced	Forced
Short circuit, Thermal, Fuses	Yes	Yes	Yes
POWER REQUIREMENT			
Operating voltage:	220-240/115 V~ 50/60Hz	220-240/115 V~ 50/60Hz	220-240/115 V~ 50/60Hz
Voltage selection:	Internal	Internal	Internal
DC power:	Yes	Yes	Yes
DC power value:	48 V	48 V	48 V
Power consumption:	800 W	800 W	800 W
PHYSICAL SPECIFICATIONS			
Cabinet/Case Material:	Metal	Metal	Metal
Rack mounting:	19", 1U	19", 1U	19", 1U
Height:	44 mm / 1.73 inches	44 mm / 1.73 inches	44 mm / 1.73 inches
Width:	482 mm / 18.98 inches	482 mm / 18.98 inches	482 mm / 18.98 inches
Depth:	375 mm / 14.76 inches	375 mm / 14.76 inches	375 mm / 14.76 inches
Weight:	5 kg / 11.02 lbs	5.2 kg / 11.46 lbs	5.4 kg / 11.9 lbs



CFVM7608D
CFVBM7608DFM

DESK-TOP EMERGENCY
MICROPHONE CONSOLES

Desktop emergency microphone consoles

These desk-top emergency microphone consoles are exclusively dedicated to CFVDXT7000 Voice Alarm system, and can be used both for live announcements and pre-recorded messages activation. It features complete self-diagnostic functionalities and system status reporting in compliance with EN 54-16 standard. Up to 8 consoles can be daisy-chained on each paging bus, for a total of 32 consoles.

FEATURES

- Live emergency announcements
- Pre-recorded messages activation
- Complete self-diagnostic
- Numeric keyboard
- Numeric keyboard and display (CFVBM7608D, 7608DFM)
- Handheld microphone with PTT button (CFVBM7608DFM)
- Hi-quality cardioid microphone
- Modern design

CERTIFICATION

EN 54-16 **CPR: 1438-CPR-0241** CE

MICROPHONE SPECIFICATIONS	CFVBM7608D	CFVBM7608DFM
Type:	Electret	Dynamic
Directivity:	Cardioid	Omnidirectional
Frequency Response (-3dB):	50 Hz ÷ 17 kHz	50 Hz ÷ 17 kHz
Total harmonic distortion @1 kHz:	< 0.10%	< 0.10%

CONSOLE SPECIFICATIONS		
Console Type:	Emergency	Emergency
General call, Selective call, Pre amplified, Configurable buttons, LED indicators	Yes	Yes
Display LCD:	Yes	Yes

CONNECTIONS		
Connectors:	RJ45	RJ45



CFVBM7608D



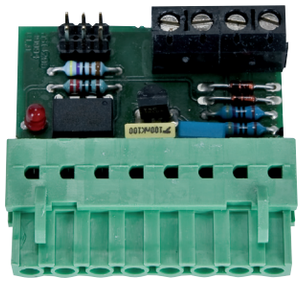
CFVBM7608DFM

CONNECTIONS		
Cable:	FTP CAT 5	FTP CAT 5
Daisy-chain:	Yes	Yes
Max number in daisy-chain:	8	8
Interlock:	Yes	Yes

FUNCTIONALITIES		
Priority, Chime tone generator	Yes	Yes

ACCESSORIES		
Cable included length 5 m:	Yes	Yes

PHYSICAL SPECIFICATIONS		
Cabinet/Case Material:	Metal	Metal
Height:	55 mm / 2.17 inches	55 mm / 2.17 inches
Width:	226 mm / 8.9 inches	326 mm / 12.83 inches
Depth:	135 mm / 5.31 inches	135 mm / 5.31 inches
Weight:	0.8 kg / 1.76 lbs	1.2 kg / 2.65 lbs



CFVSI7120

INPUT BOARD

Monitored logic input card for CFVMU7100ENMKII

CFVSI7120 is an additional board for the CFVDXT7000 Voice Alarm system. It can monitor the integrity of 2 speakers lines coming from master unit. In case of line open or shorted, it activates the related command.

- Line open or shorted fault detection
- Red LED signal
- Up to 2 devices connected to each MU 7100EN

EN 54-16 **1438-CPR-0241** CE

CFVSI7120	139,14 €

CFVSV7982

REMOTE CONTROL



Wall-mount remote control

CFVSV7982 is a wall-mount remote control used as local audio control device. It can control a zone group volume and works as program selector. Connection to local or system bus using CAT5 or CAT6 cables.

- Zone group control
- Level control
- Program Selector
- CAT5 and CAT6 compatible

CFVCJ428CAT

DATA CABLE



Cat5 ftp fire resistant data cable

Shielded CAT5 FTP fire resistant cable suitable for the transmission of signals and commands for voice alarm systems, when maximum safety against fire is required. Made of 4 pairs of twisted annealed copper conductors with 0.63 mm² (AWG22) section. For fixed indoor installations in normal or humid environments. Red external sheath. Sold in coils of 200 m.

- Fire resistant shielded data cable
- Suitable for the transmission of signals and commands
- For Voice Alarm systems applications



CFVPS6648

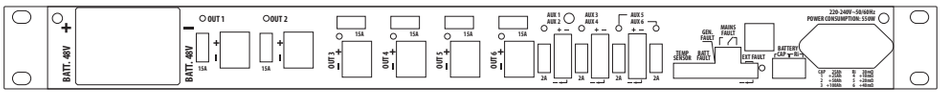
POWER SUPPLY

Power supply certified en 54-4

CFVPS6648 is a power supply unit suitable to get continuity power for EN 54-16 systems units like CFVDXT7000, and relevant complementary devices in case of mains power supply interruptions. It includes recharging and monitoring functions for the lead-acid batteries connected to it. It must be equipped with batteries with suitable capacity, dimensioned according to the system power absorption and to the evacuation requirements. According to EN 54-16 standard, it shall be installed into the same rack cabinet where there is the audio system with emergency purposes (or a system part) to which it is connected.

FEATURES

- 48 V batteries nominal voltage
- 6 main outputs to system's units
- 6 auxiliary outputs
- Battery circuit control
- PC software configuration and monitoring



CERTIFICATION		
EN 54-4	CPR: 1438-CPR-0538	CE

GENERAL SPECIFICATIONS	
Power factor	0.94
Efficiency (during battery charging)	84%
Battery nominal voltage	48 V
Max. current from main outputs	6 x 15 A
Max. current from auxiliary outputs	4 x 2 A
Maximum capacity of connected batteries	200 Ah
Max. charging current	2 ÷ 8 A
Max. resistance of battery circuit	30 ÷ 100 Ωhm

GENERAL SPECIFICATIONS	
Battery disconnection threshold	40.8 V
Operating voltage	220-240 V~ 50Hz

PHYSICAL SPECIFICATIONS	
Cabinet/Case Material:	Metal
Colour:	Black
Rack mounting:	19", 1U
Height:	43 mm / 1.69 inches
Width:	483 mm / 19.02 inches
Depth:	321 mm / 12.64 inches
Weight:	4.9 kg / 10.8 lbs


GARAGE



CFVDXT4000 - CFVDXT3000 SYSTEM

COMPACT AND SCALABLE SOLUTION

CFVDXT4000 and CFVDXT3000 are evacuation system for rack-mount (DXT4000) or wall-mount (CFVDXT3000) installation, suitable for small and medium-sized applications that require a system certified according to EN 54-16:2008. It includes CFVMXR4500 rack-mount digital master units and CFVMX3500 and CFVMX3250 wall-mount units, all DSP-based and equipped with up to 6 RCF Class D+ power amplifiers capable of delivering up to 500W through 100V or 70V constant-voltage lines. One power amplifier can be configured as a backup to the others, with automatic replacement in case of a faulty unit. The master units are equipped with an EN 54-4:2007 power supply with battery charger offer space, in the case of the CFVDXT3000 system, for the sintered housing of 12V 18Ah batteries. They also provide for pre-recorded inputs, commands and messages for a truly plug-and-play solution.

ADVANCED TECHNOLOGY

Digital DSP-based master unit equipped with 2, 4 or 6 RCF Class D+ technology power amplifiers.

MONITORED PAGING CONSOLE

CFVBM3804, a low-power monitored console suitable for selective emergency announcements and message activation. Also in the CFVBM3804 version for fire fighters.

Emergency monitored consoles and 6-button expansions (CFVBE3806) then allow the installation to be supplemented with live announcements. Local single-button paging microphones and background music programs can also be installed.

The system can be expanded to better suit medium-sized centralized or distributed applications by connecting up to 8 units by means of the CFVIE3008 interlink card (standard on CFVDXT4000 and accessory on CFVDXT3000). The system is designed for connection via J-type fireproof cables for emergency consoles and interconnections between units.



CFVMXR45002
CFVMXR45004
CFVMXR45006

RACK AMPLIFIED

CFVDXT4000 voice alarm system master unit

CFVMXR4500 is the master unit of the CFVDXT4000 voice alarm system, dedicated to small and medium rack-mount applications in which certification to EN 54-16 is required. It is equipped with powerful and exceptionally reliable Class D power amplifiers capable of providing up to 500W of total power. Depending on the model, it can serve up to 6 independent zones. In addition, a backup amplifier function is also available. The internal power supply is EN 54-4 certified. The built-in DSP platform enables optimization of room equalization, maximizing voice intelligibility and pleasantness of background music. Up to 8 units can be connected in MASTER-SLAVE configuration thanks to the CFVIE3008 board, natively included in the unit. The system can be complemented with CFVBM3804, CFVBM3804FM and CFVME3801 emergency microphone consoles and CFVBE3806 extensions, which allow the addition of live announcement functionality.

FEATURES

- 500 W max power
- Up to 2 controllable zones
- On-board DSP platform
- Certified EN 54-16 and EN 54-4
- Emergency messages on monitored SD card
- Backup amplifier functionality
- Integrated audio source on front panel
- Rack cabinet installation (4U)
- Up to 8 units pluggable in master-slave configuration

CERTIFICATION

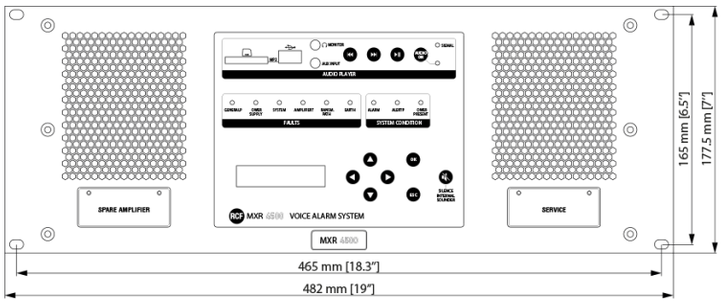
EN 54-16 | 54-4 **CPR: 0068-CPR-007/2015** CE

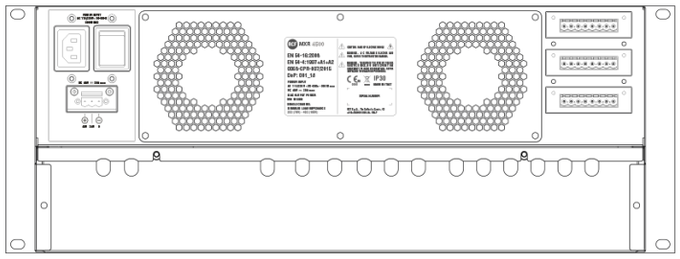
SYSTEM SPECIFICATIONS	CFVMXR4500
Number of zones managed:	2, 4 or 6
Built-in power amplifier:	Yes
Back up amplifier	Yes
Max number of consoles:	4
Number of console buses:	1
Number of simultaneous emergency audio channels:	1
Max number of pluggable units:	8
Communication bus:	Serial
Connections cables:	J Type (fire-rated)
Integrated pre-recorded emergency messages:	Yes

AMPLIFIER SPECIFICATIONS	
Amplifier Class:	D+
Number of channels:	2, 4, 6
Power output (@ 100 V):	500W RMS
A/B speakers line:	Yes
Frequency Response (-3dB):	80 Hz ÷ 16 kHz

AMPLIFIER SPECIFICATIONS	
Signal/noise rate ("a" weighted):	>98 dB
Distortion (THD+N) @ 1 kHz nominal power	<0.3 %

INPUT SECTION	
Total number of inputs:	3
Balanced:	3
Mono:	3
Line inputs:	2
Line connectors:	Euroblock, JACK
VOX:	Yes
Paging inputs:	1
Paging connectors:	Euroblock
Paging command:	Serial
Paging emergency:	Yes
General Purpose Inputs (GPI):	6
Monitored GPI:	6
Photo-coupled GPI:	6





OUTPUT SECTION	CFVMXR4500
Number of signal outputs:	1
Signal outputs connectors:	JACK
Power outputs:	2, 4, 6
Power output connectors:	Euroblock
Universal output contacts (GPO):	6

SIGNAL PROCESSING	
DSP:	Yes
Tone control:	Yes
High-pass filter:	20 ÷ 500 Hz

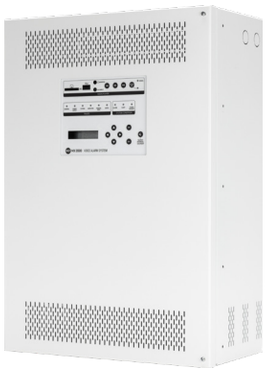
CONTROL	
Configuration:	Switch, Front panel
Din Don	Yes

PROTECTION	
Cooling:	Ventilation
Short circuit, Thermal, Direct current, Fuses, High frequencies	

AUDIO SOURCE	CFVMXR4500
USB flash drive, SD card:	Yes

SUPPLY	
Operating voltage:	220-240 V~ 50/60Hz
Voltage selection:	Internal
DC operation:	Yes
DC current value:	48 V
Power consumption:	700 W

PHYSICAL SPECIFICATIONS	
IP protection:	IP 30
Body material:	Metal
Rack mount:	19" / 4U
Height mm/inches:	178 mm / 7.01 inches
Width mm/inches:	482 mm / 18.98 inches
Depth mm/inches:	426 mm / 16.77 inches
Weight kg/lbs (2 zones):	14.2 kg / 31.31 lbs
Weight kg/lbs (4 zones):	14.2 kg / 31.31 lbs
Weight kg/lbs (6 zones):	14.2 kg / 31.31 lbs



CFVMX35002
CFVMX35004
CFVMX35006

AMPLIFIED MASTER UNIT

CFVDXT30000 voice alarm system amplified main unit

CFVMX3500 is the master unit of the Voice Alarm system CFVDXT3000, dedicated to small and medium size applications where an EN 54-16 certified system is required. It is equipped with powerful and exceptionally reliable Class D power amplifiers, able to provide up to 500 W of total power.

Depending on the model, it is able to serve up to 6 independent zones. Moreover, the spare power amplifier facility is also available. The internal power supply is certified EN 54-4, and the back-up batteries can be host inside the cabinet, making the system a complete and extremely compact solution. Moreover, the on-board DSP platform allows optimizing environmental equalization, maximizing voice intelligibility and background music performance.

The system can be completed with emergency microphone consoles CFVBM3804, CFVBM3804FM and CFVME3801, and the buttons extensions CFVBE3806, allowing to add live announcements functionality.

FEATURES

- 500 W total power
- Up to 6 zones controlled
- DSP platform on-board
- Certified EN 54-16 and EN 54-4
- Emergency messages on monitored SD card
- Spare power amplifier facility
- Integrated audio source on front panel
- Wall mount or rack mount installation



CERTIFICATION

EN 54-16 | 54-4 **CPR: 0068-CPR-007/2015** CE

SYSTEM SPECIFICATIONS	CFVMX3500	CFVMX3250
Number of zones managed:	2, 4 or 6	
Built-in power amplifier:	Yes	
Spare amplifier automatic change-over:	Yes	
Max number of consoles:	4	
Number of console buses:	1	
Number of simultaneous emergency audio channels:	1	
Max number of pluggable units:	8	
Communication bus:	Serial	
Connections cables:	J Type (fire-rated)	
Integrated pre-recorded emergency messages:	Yes	

AMPLIFIER SPECIFICATIONS		
Amplifier Class:	D+	
Number of channels:	2	
Power output (@ 100 V):	250 W RMS	500W RMS
A/B speakers line:	Yes	

AMPLIFIER SPECIFICATIONS		
Frequency Response (-3dB):	80 Hz ÷ 16 kHz	
Signal/noise rate ("a" weighted):	>80 dB	>80 dB
Distortion (THD+N) @ 1 kHz nominal power	<0.3 %	

INPUT SECTION	
Total number of inputs:	3
Balanced:	3
Mono:	3
Line inputs:	2
Line connectors:	Euroblock, JACK
VOX:	Yes
Paging inputs:	1
Paging connectors:	Euroblock
Paging command:	Serial
Paging emergency:	Yes
General Purpose Inputs (GPI):	6
Monitored GPI:	6
Photo-coupled GPI:	6



CFVMX32502
CFVMX32504
CFVMX32506

AMPLIFIED MASTER UNIT

CFVDXT3000 voice alarm system amplified main unit

CFVMX3250 is the master unit of the Voice Alarm system CFVDXT3000, dedicated to small and medium size applications where an EN 54-16 certified system is required.

It is equipped with powerful and exceptionally reliable Class D power amplifiers, able to provide up to 250 W of total power.

Depending on the model, it is able to serve up to 6 independent zones. Moreover, the spare power amplifier facility is also available.

The internal power supply is certified EN 54-4, and the back-up batteries can be host inside the cabinet, making the system a complete and extremely compact solution.

Moreover, the on-board DSP platform allows optimizing environmental equalization, maximizing voice intelligibility and background music performance.

The system can be completed with emergency microphone consoles CFVBM3804, CFVBM3804FM and CFVME3801, and the buttons extensions CFVBE3806, allowing to add live announcements functionality.

CFVMX3500 and CFVMX3250 are equipped with an integrated audio source, directly accessible from the unit front panel and connected to the BGM input. The source, which supports MP3 files only, includes an SD card reader, a USB pen drive reader and an auxiliary input on 3.5 mm jack.

In addition to the inputs, the front panel offers also the basic controls for track selection and the pause command.

Moreover, a monitor output is available on 3.5 mm jack, and allows checking the audio content before send it to the speakers lines. After control, audio shall be activated manually using the AUDIO ON button (also indicated by LED).

FEATURES

- 250 W total power
- Up to 6 zones controlled
- DSP platform on-board
- Certified EN 54-16 and EN 54-4
- Emergency messages on monitored SD card
- Spare power amplifier facility
- Integrated audio source on front panel
- Wall mount or rack mount installation

OUTPUT SECTION	
Signal output number:	1
Signal output connectors:	JACK
Output lines connectors:	2
Power output connectors:	Euroblock
General Purpose Outputs (GPO):	6

PROCESSING	
DSP:	Yes
Tone controls:	Yes
High-pass filter:	20 ÷ 500 Hz

CONTROLS	
Configuration:	DIP switch, Front panel
Chime tone:	Yes

PROTECTIONS	
Cooling:	Convection
Short circuit, Thermal, DC, Fuses, VHF (Very High Frequencies)	

AUDIO SOURCES	
USB pen drives, SD card	Yes

POWER REQUIREMENT		
Operating voltage:	220-240/115 V~ 50/60Hz	
Voltage selection:	Internal	
DC power:	Yes	
DC power value:	48 V	24 V
Power consumption:	700 W	400 W

PHYSICAL SPECIFICATIONS		
IP protection grade:	IP 33	IP 33
Cabinet/Case Material:	Metal	Metal
Rack mounting:	19", 14U	19", 14U
Height mm/inches:	620 / 24.41	533 / 20.98
Width mm/inches:	430 / 16.93	430 / 16.93
Depth mm/inches:	230 / 9.06	190 / 7.48
Weight kg/lbs (2 zones):	19.4 / 42.77	15 / 33.07
Weight kg/lbs (4 zones):	20.7 / 45.64	15.96 / 35.19
Weight kg/lbs (6 zones):	22 / 48.5	16.92 / 37.3



CFVBM3804

CFVBM3804
CFVBM3804FM
CFVBE3806
CFVME3801

PAGING MICROPHONES

Emergency microphone consoles

CFVBM3804 is a desk-top emergency microphone console exclusively dedicated to CFVDXT3000 Voice Alarm system, and can be used both for live announcements and pre-recorded messages activation. It features complete self-diagnostic functionalities and system status reporting in compliance with EN 54-16:2008 standard. Up to four consoles can be daisy-chained on the line, the first of those has emergency functions and it is powered directly by the master unit, while the others need local 24 V DC adapters.

CFVBM3804FM is a firemen, wall-mount emergency microphone console exclusively dedicated to CFVDXT3000 Voice Alarm system, and can be used both for live announcements and pre-recorded messages activation. It features complete self-diagnostic functionalities and system status reporting in compliance with EN 54-16:2008 standard. Up to four consoles can be daisy-chained on the line, the first of those has emergency functions and it is powered directly by the master unit, while the others need local 24 V DC adapters.

CFVBE3806 is a six buttons additional keyboard that works with CFVBM3804 and CFVBM3804FM. It allows making selective calls to each system's zone. Up to eight units can be connected to the same microphone console. Each button has a fixed address to a specific system's zone.

CFVME3801 is a wall-mount emergency microphone exclusively dedicated to CFVDXT3000 Voice Alarm system, and can be used for live announcements during emergency situations. It features complete self-diagnostic functionalities and system status reporting in compliance with EN 54-16:2008 standard. Up to four microphones can be daisy-chained on the line, the first of those has emergency functions and it is powered directly by the master unit, while the others need local 24 V DC adapters.

FEATURES

- Live emergency announcements
- Pre-recorded messages activation
- Complete self-diagnostic
- Powered by master unit
- Hi-quality cardioid microphone
- Robust metal case
- Handheld microphone with PTT button (CFVBM3804FM, CFVME3801)
- Protected into a robust metal box (CFVBM3804FM, CFVME3801)

CERTIFICATION

EN 54-16 **CPR: 0068-CPR-007/2015** CE

MICROPHONE SPECIFICATIONS	CFVBM3804	CFVBM3804FM	CFVBE3806	CFVME3801
Type:	Electret	Dynamic	-	Dynamic
Directivity:	Cardioid	Omnidirectional	-	Omnidirectional
Sensitivity:	-65 dB	-70 dB	-	-70 dB
Frequency Response (-3dB):	50 Hz ÷ 18 kHz	300 Hz ÷ 6000 kHz	-	300 Hz ÷ 6000 kHz
Output impedance:	470 ohm	500 ohm	-	500 ohm

CONSOLE SPECIFICATIONS				
Console Type:	Emergency	Emergency	Emergency	Emergency



CFVME3801



CFVBM3804FM



CFVBE3806

CONSOLE SPECIFICATIONS				
General call, Pre amplified, LED indicators:	Yes	Yes	Yes	Yes
Selective call:	Yes	Yes	Yes	-

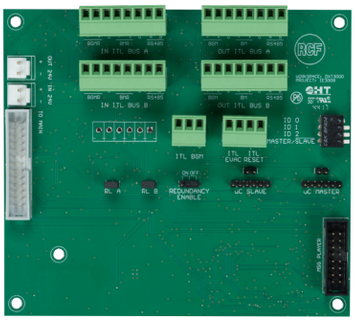
POWER REQUIREMENT				
Operating voltage:	24V ~ Hz	24V ~ Hz	-	24V ~ Hz

CONNECTIONS	CFVBM3804	CFVBM3804FM	CFVBE3806	CFVME3801
Connectors:	RJ45	RJ45	-	RJ45
Cable:	J Type (fire-rated)	J Type (fire-rated)	-	J Type (fire-rated)
Daisy-chain:	Yes	Yes	Yes	Yes
Max number in daisy-chain:	4	4	8	4
Interlock:	Yes	Yes	-	Yes

FUNCTIONALITIES				
Priority:	Yes	Yes	-	-
Chime tone generator:	Yes	Yes		Yes

ACCESSORIES				
Cable included length 5 m:	Yes	Yes	-	Yes

PHYSICAL SPECIFICATIONS				
Cabinet/Case Material:	Metal	Metal	Metal	Metal
Height:	44 mm / 1.73 inches	360 mm / 14.17 inches	39 mm / 1.54 inches	210 mm / 8.27 inches
Width:	203 mm / 7.99 inches	360 mm / 14.17 inches	78 mm / 3.07 inches	115 mm / 4.53 inches
Depth:	128 mm / 5.04 inches	129 mm / 5.08 inches	203 mm / 7.99 inches	36 mm / 1.42 inches
Weight:	1.2 kg / 2.65 lbs	6.9 kg / 15.21 lbs	0.7 kg / 1.54 lbs	1.14 kg / 2.51 lbs



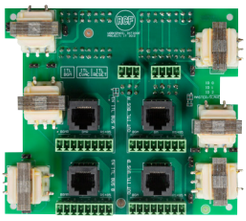
CFVIE3008

INTERLINK BOARD

Interlink card for CFVDXT3000 system

CFVIE3008 is an additional board for CFVDXT3000 Voice Alarm system that extends its capability and functionalities allowing the connection of a maximum of eight units, in a master/slave configuration. It shall be installed inside the cabinet of each unit, that provides the necessary power supply. System's units communicate through a fully redundant bus, transporting commands and two audio channels. Up to four emergency consoles can be connected to the master unit, for the activation of both pre-recorded and live messages on each system's zone, using dedicated CFVBE3806 additional keyboards. At system level, BGM can be injected in the master unit in the dedicated input, with global mute functionality. At local level, BGM can be enabled on each unit using the specific hardware setting.

EN 54-16 **CPR: 0068-CPR-007/2015** CE



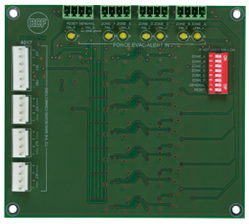
CFVIT3010

TRANSFORMERS BOARD

Transformer board for CFVDXT3000 system

CFVIT3010 is an additional board for CFVDXT3000 Voice Alarm system to be used only in combination with CFVIE3008 interlink board.

Thanks to its six line transformers, it is helpful in all those installations where audio signal may be affected by high noises along system's units connections. Moreover, it offers the possibility to connect CFVDXT3000 units using both removable screw terminals and RJ 45 plugs, improving installation efficiency and flexibility.



CFVMG3006

MONITORED GPI BOARD

Card for CFVDXT3000 master units

CFVMG3006 is an additional board for CFVDXT3000 master units. It allows monitoring system's General Purpose Inputs (GPI), detecting and reporting open line faults or short circuits along the path between CFVDXT3000 and other emergency devices, such as alarm buttons. It shall be installed inside the master unit, and powered directly by the system.



CFVEOL39

END OF LINE

End of line terminal

CFVEOL39 is a End Of Line terminator that allow accurate monitoring of speakers lines integrity, and it is suitable for CFVDXT3000 Voice Alarm system.

EN 54-16 **CPR: 0068-CPR-007/2015** CE

FEATURES

- 20 Hz resonator
- 200 Ohm impedance
- Ceramic terminal with thermal fuse
- Plastic case UL94 V0
- To be used with RCF cables CV 215, CV 225



CFVACBAT18

BATTERIES

Batteries for voice alarm systems

Pair of sealed lead acid batteries (12V - 18Ah each.)





LOUDSPEAKERS

Emergency Voice Alarm Communication (EVAC) systems support the safety of public buildings. Their main function is to provide safety announcements in emergency situations. These can be in the form of pre-recorded or “live” announcements. RCF has been developing and manufacturing professional audio systems since 1949. This experience is incorporated into all its products, including those with EN-54 certification. All RCF loudspeaker systems offer planners and installation professionals the best solutions for optimum speech clarity. In addition, RCF loudspeakers are suited to playback of background music and public address messages, a role often required for products used for publicly accessible spaces requiring EVAC.

PROPERTIES

The high efficiency of the system, in particular of the amplifiers and speakers, guarantees savings in terms of acquisition as well as operation and maintenance. This is especially true for EN-54 certified systems. Here, too, RCF products offer best-in-class performance.

Consider that a loudspeaker with sensitivity of 3 dB (1W / 1m) higher than a matched loudspeaker requires half the power to provide the same sound level. In scenarios incorporating dozens, hundreds or even thousands of speakers, it becomes quickly apparent that excellent efficiency means substantial savings in terms of amplifier power, electric power, space requirements and maintenance.

FIRE AND MECHANICAL SAFETY REQUIREMENTS FOR LOUDSPEAKERS

The EN 54-24 standard requires that, in the event of fire, speakers connected to fire-resistant cabling do not affect on the function of other speakers connected to the same cable. As a result, RCF speakers offered as “EN” versions feature ceramic termination blocks with strain relief and thermal fuses.
The standard divides speakers into two mechanical safety categories:

- Type A: All indoor components are compliant with IP21C safety (touching with finger, vertically dripping water, touching dangerous parts with tools).
- Type B: Speakers suitable for indoor and outdoor installation, offering safety features compliant with, at minimum, IP33C.



CFVPL82EN

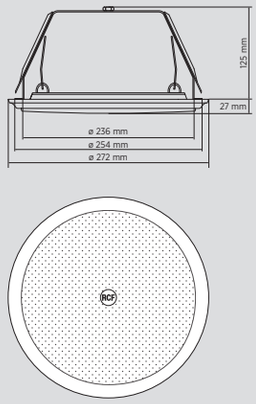
CEILING SPEAKER

Two-way steel fireproof dome ceiling speaker

CFVPL82EN is a two-way ceiling speaker featuring a flame-proof steel back can, designed for recess installation into ceilings or panels. It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires. The terminal connection blocks, for input and output flame-proof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed). Cables inside speaker made using flame-proof leads.

FEATURES

- 8" coaxial woofer with 0.75" dome tweeter.
- Power selectable (100 V): 20 W – 10 W – 5 W.
- 94 dB sensitivity.
- Colour white RAL 9016.
- Steel frame, grille and back can.
- In/out ceramic terminal block.
- Thermal fuse protection.



CERTIFICATION

EN 54-24 **CPR: 0068-CPR-051/2017** CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	130 Hz ÷ 20000 Hz
Max SPL @ 1m:	106 dB
Max SPL @ 4m:	94 dB
System Sensitivity:	94 dB
System Sensitivity 1W @ 4m:	82 dB
Coverage angle:	160°

POWER SECTION

Power Handling:	20 W RMS
Peak Power Handling:	80 W PEAK
Recommended Amplifier:	40 W
Protections:	Thermal fuse

TRANSDUCERS

Dome Tweeter:	0.75"
Woofer:	Coaxial 8"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	20 W - 500 ohm
Power selection 2 (100 V):	10 W - 1000 ohm
Power selection 3 (100 V):	5 W - 2000 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	Metal
Hardware:	Steel back cover
Grille:	Steel
Colour:	White - RAL 9016
Depth:	152 mm / 5.98 inches
Recessed Depth:	125 mm / 4.92 inches
Diameter:	272 mm / 10.71 inches
Cut out diameter:	240 mm / 9.45 inches
Weight:	3.42 kg / 7.54 lbs

Compositor Wagner, 8 | P.I. Can Jardí | 08191 Rubí | Barcelona | (+34) 935 862 690 | cofem@cofem.com | www.cofem.com



CFVPL70EN

CEILING SPEAKER

Ceiling speaker with steel fire dome

CFVPL70EN is a ceiling speaker featuring a flameproof steel back can, designed for recess installation into ceilings or panels.

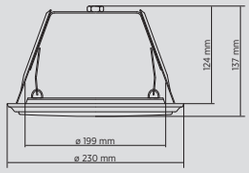
It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires.

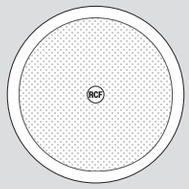
The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed).

Cables inside speaker made using flameproof leads.

FEATURES

- 6" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W – 0.75 W.
- 93 dB sensitivity.
- Colour white RAL 9003.
- Steel frame, grille and back can.
- In/out ceramic terminal block.
- Thermal fuse protection.





CERTIFICATION	
EN 54-24	CPR: 1488-CPR-0487/W CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	230 Hz ÷ 20000 Hz
Max SPL @ 1m:	99 dB
Max SPL @ 4m:	87 dB
System Sensitivity:	93 dB
System Sensitivity 1W @ 4m:	81 dB
Coverage angle:	131°

POWER SECTION	
Nominal Impedance:	8 ohm
Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS	
Full range:	6.0"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm
Power selection 4 (100 V):	0.75 W - 13333 ohm

PHYSICAL SPECIFICATIONS	
Cabinet/Case Material:	Metal
Hardware:	Steel back cover
Grille:	Steel
Colour:	White - RAL 9003
Height:	137 mm / 5.39 inches
Recessed Depth:	124 mm / 4.88 inches
Diameter:	230 mm / 9.06 inches
Cut out diameter:	199 mm / 7.83 inches
Weight:	2.03 kg / 4.48 lbs



CFVPL68EN

CEILING SPEAKER

Two-way steel fireproof dome ceiling speaker

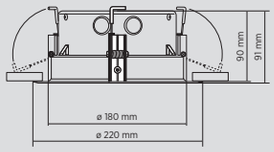
CFVPL68EN is a ceiling speaker featuring a flameproof steel back can, designed for recess installation into ceilings or panels.

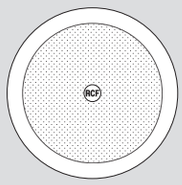
It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires. The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker.

Ground screw available (if needed). Cables inside speaker made using flameproof leads.

FEATURES

- 6" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W.
- 94 dB sensitivity.
- Colour white RAL 9003.
- Steel frame, grille and back can.
- In/out ceramic terminal block.
- Thermal fuse protection.





CERTIFICATION	
EN 54-24	CPR: 1488-CPR-0486/W CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	230 Hz ÷ 20000 Hz
Max SPL @ 1m:	102 dB
Max SPL @ 4m:	90 dB
System Sensitivity:	94 dB
System Sensitivity 1W @ 4m:	82 dB
Coverage angle:	126°

POWER SECTION	
Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS	
Full range:	6.0"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm

PHYSICAL SPECIFICATIONS	
Cabinet/Case Material:	Metal
Hardware:	Steel back cover
Grille:	Steel
Colour:	White - RAL 9003
Height:	91 mm / 3.58 inches
Recessed Depth:	90 mm / 3.54 inches
Diameter:	220 mm / 8.66 inches
Cut out diameter:	200 mm / 7.87 inches
Weight:	1.12 kg / 2.47 lbs



CFVPL50EN

CEILING SPEAKER

Steel fireproof dome ceiling speaker

CFVPL50EN is a ceiling speaker featuring a flameproof steel back can, designed for recess installation into ceilings or panels.

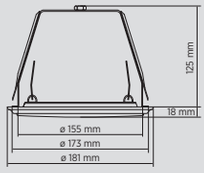
It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires.

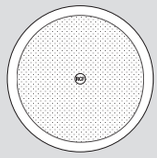
The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed).

Cables inside speaker made using flameproof leads.

FEATURES

- 5" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W – 0.75 W.
- 92 dB sensitivity.
- Colour white RAL 9016.
- Steel frame, grille and back can.
- In/out ceramic terminal block.
- Thermal fuse protection.





CERTIFICATION

EN 54-24 **CPR: 0068-CPR-051/2017** CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	130 Hz ÷ 15000 Hz
Max SPL @ 1m:	100 dB
Max SPL @ 4m:	88 dB
System Sensitivity:	92 dB
System Sensitivity 1W @ 4m:	80 dB
Coverage angle:	170°

POWER SECTION

Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS

Full range:	5.0"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm
Power selection 4 (100 V):	0.75 W - 13333 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	Metal
Hardware:	Steel back cover
Grille:	Steel
Colour:	White - RAL 9016
Depth:	143 mm / 5.63 inches
Recessed Depth:	125 mm / 4.92 inches
Diameter:	181 mm / 7.13 inches
Cut out diameter:	155 mm / 6.1 inches
Weight:	1.35 kg / 2.98 lbs



CFVPLP50EN

CEILING SPEAKER

Ceiling speaker with plastic fire dome

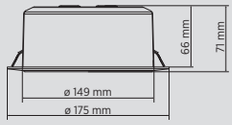
CFVPLP50EN is a ceiling speaker featuring a flameproof plastic back can, designed for recess installation into ceilings or panels.

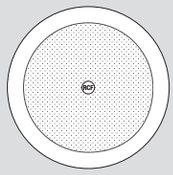
It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires. The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed). Cables inside speaker made using flameproof leads.

FEATURES

- 5" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W.
- 93 dB sensitivity.
- Colour white RAL 9016.
- Plastic frame and back can, steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.





CERTIFICATION	
EN 54-24	CPR: 0068-CPR-051/2017 CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	130 Hz ÷ 15000 Hz
Max SPL @ 1m:	101 dB
Max SPL @ 4m:	89 dB
System Sensitivity:	93 dB
System Sensitivity 1W @ 4m:	81 dB
Coverage angle:	165°

POWER SECTION	
Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS	
Full range:	5.0"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm

PHYSICAL SPECIFICATIONS	
Cabinet/Case Material:	Plastic
Hardware:	Plastic back cover
Grille:	Steel
Colour:	White - RAL 9016
Depth:	71 mm / 2.8 inches
Recessed Depth:	66 mm / 2.6 inches
Diameter:	175 mm / 6.89 inches
Cut out diameter:	149 mm / 5.87 inches
Weight:	0.66 kg / 1.46 lbs

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CFVDP5EN

SOUND PROJECTOR

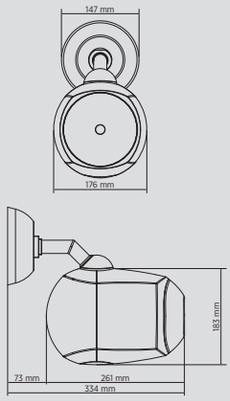
Unidirectional sound projector

CFVDP5EN is a weatherproof sound projector suitable for all those installations where high intelligibility for alarm messages broadcasting and great sound reproduction quality are required.

Thanks to its IP65 protection grade, it can be installed both indoor and outdoor. Moreover, a modern and endearing design makes it the perfect product for environments where projectors are intended also as architectural elements and contribute to improve global aesthetics.

FEATURES

- 5" full range transducer.
- Power selectable (100 V): 20 W – 10 W – 5 W – 2.5 W.
- 88 dB sensitivity.
- Colour white RAL 9016.
- Flame proof ABS body, steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP65.



CERTIFICATION

EN 54-24	**CPR: 0068-CPR-058/2014**	CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	80 Hz ÷ 20000 Hz
Max SPL @ 1m:	101 dB
Max SPL @ 4m:	89 dB
System Sensitivity:	88 dB
System Sensitivity 1W @ 4m:	76 dB
Coverage angle:	210°

POWER SECTION

Power Handling:	20 W RMS
Peak Power Handling:	80 W PEAK
Recommended Amplifier:	40 W
Protections:	Thermal fuse

TRANSDUCERS

Full range:	5.0"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	20 W - 500 ohm
Power selection 2 (100 V):	10 W - 1000 ohm
Power selection 3 (100 V):	5 W - 2000 ohm
Power selection 4 (100 V):	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS

IP protection grade:	IP 65
Cabinet/Case Material:	ABS
Hardware:	Wall mount metal plate
Grille:	Steel
Colour:	White - RAL 9016
Height:	183 mm / 7.2 inches
Width:	176 mm / 6.93 inches
Depth:	261 mm / 10.28 inches
Weight:	2.61 kg / 5.75 lbs



CFVBD5EN

SOUND PROJECTOR

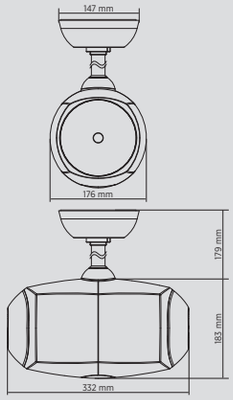
Bidirectional sound projector

CFVBD5EN is a weatherproof bidirectional sound projector suitable for all those installations where high intelligibility for alarm messages broadcasting and great sound reproduction quality are required.

Thanks to its IP65 protection grade, it can be installed both indoor and outdoor. Moreover, a modern and endearing design makes it the perfect product for environments where projectors are intended also as architectural elements and contribute to improve global aesthetics.

FEATURES

- 2 x 5" full range transducers.
- Power selectable (100 V): 20 W – 10 W – 5 W – 2.5 W.
- 86 dB sensitivity.
- Colour white RAL 9016.
- Flame proof ABS body, steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP65.



CERTIFICATION

EN 54-24	**CPR: 0068-CPR-058/2014**	CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	150 Hz ÷ 18000 Hz
Max SPL @ 1m:	99 dB
Max SPL @ 4m:	87 dB
System Sensitivity:	86 dB
System Sensitivity 1W @ 4m:	74 dB
Coverage angle:	210°

POWER SECTION

Power Handling:	20 W RMS
Peak Power Handling:	80 W PEAK
Recommended Amplifier:	40 W
Protections:	Thermal fuse

TRANSDUCERS

Full range:	2 x 5.0''

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	20 W - 500 ohm
Power selection 2 (100 V):	10 W - 1000 ohm
Power selection 3 (100 V):	5 W - 2000 ohm
Power selection 4 (100 V):	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS

IP protection grade:	IP 65
Cabinet/Case Material:	ABS
Hardware:	Wall mount metal plate
Grille:	Steel
Colour:	White - RAL 9016
Height:	183 mm / 7.2 inches
Width:	332 mm / 13.07 inches
Depth:	176 mm / 6.93 inches
Weight:	3.59 kg / 7.91 lbs

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CFVBS5EN

PENDANT SPEAKER

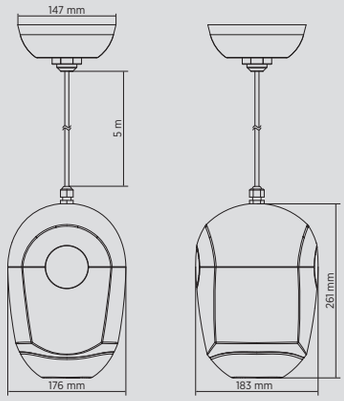
Pendant speaker for alarm messages

CFVBS5EN is a pendant speaker suitable for all those installations where high intelligibility for alarm messages broadcasting and great sound reproduction quality are required.

Thanks to its IP65 protection grade, it can be installed both indoor and outdoor. Moreover, a modern and endearing design makes it the perfect product for environments where projectors are intended also as architectural elements and contribute to improve global aesthetics.

FEATURES

- 5" coaxial woofer with 0.75" dome tweeter.
- Power selectable (100 V): 20 W – 10 W – 5 W – 2.5 W.
- 88 dB sensitivity.
- Colour white RAL 9016.
- Flame proof ABS body, steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP65.



CERTIFICATION	
EN 54-24	CPR: 0068-CPR-058/2014 CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	80 Hz ÷ 20000 Hz
Max SPL @ 1m:	101 dB
Max SPL @ 4m:	89 dB
System Sensitivity:	88 dB
System Sensitivity 1W @ 4m:	76 dB
Coverage angle:	170°

POWER SECTION	
Power Handling:	20 W RMS
Peak Power Handling:	80 W PEAK
Recommended Amplifier:	40 W
Protections:	Thermal fuse

TRANSDUCERS	
Dome Tweeter:	0.75"
Woofer:	Coaxial 5.0"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	20 W - 500 ohm
Power selection 2 (100 V):	10 W - 1000 ohm
Power selection 3 (100 V):	5 W - 2000 ohm
Power selection 4 (100 V):	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS	
IP protection grade:	IP 65
Cabinet/Case Material:	ABS
Hardware:	Wall mount metal plate - 5m cable
Grille:	Steel
Colour:	White - RAL 9016
Height:	261 mm / 10.28 inches
Width:	176 mm / 6.93 inches
Depth:	183 mm / 7.2 inches
Weight:	2.79 kg / 6.15 lbs



CFVDP1420EN

SOUND PROJECTOR

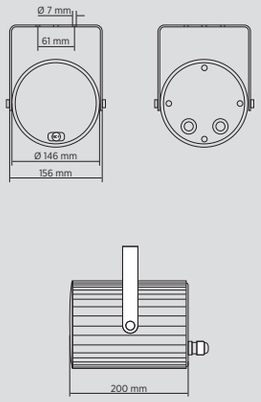
Unidirectional aluminium sound projector

CFVDP1420EN is a unidirectional sound projector featuring an elegant aesthetic and easy installation, suitable for the sound of commercial and industrial environments where a good sound quality and high intelligibility and efficiency are required.

It features a aluminium cylindrical body, grille and bracket. Ground screw available (if needed). Thanks to its IP66 protection grade, it can be installed both indoor and outdoor.

FEATURES

- 5" full range transducer.
- Power selectable (100 V): 20 W – 10 W – 5 W – 2.5 W – 1.25 W.
- 92 dB sensitivity.
- Colour grey RAL 7035.
- Aluminium body, grille and bracket.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP66.



CERTIFICATION	
EN 54-24	CPR: 1488-CPR-0485/W CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	160 Hz ÷ 20000 Hz
Max SPL @ 1m:	105 dB
Max SPL @ 4m:	93 dB
System Sensitivity:	92 dB
System Sensitivity 1W @ 4m:	80 dB
Coverage angle:	155°

POWER SECTION	
Power Handling:	20 W RMS
Peak Power Handling:	80 W PEAK
Recommended Amplifier:	40 W
Protections:	Thermal fuse

TRANSDUCERS	
Full range:	5.0''

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	70/100 V
Power selection 1 (100 V):	20 W - 500 ohm
Power selection 2 (100 V):	10 W - 1000 ohm
Power selection 3 (100 V):	5 W - 2000 ohm
Power selection 4 (100 V):	2.5 W - 4000 ohm
Power selection 5 (100 V):	1.25 W - 8000 ohm

PHYSICAL SPECIFICATIONS	
IP protection grade:	IP 66
Cabinet/Case Material:	Aluminium
Hardware:	Aluminium bracket
Grille:	Aluminium
Colour:	Gray - RAL 7035
Depth:	200 mm / 7.87 inches
Diameter:	146 mm / 5.75 inches
Weight:	2.73 kg / 6.02 lbs

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CFVBD2412EN

SOUND PROJECTOR

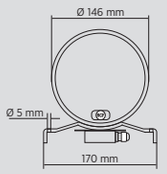
Bidirectional aluminium sound projector

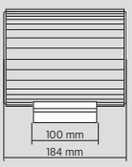
CFVBD2412EN is a bidirectional sound projector featuring an elegant aesthetic and easy installation, suitable for the sound of commercial and industrial environments where a good sound quality and high intelligibility and efficiency are required.

It features a aluminium cylindrical body, grille and bracket. Ground screw available (if needed). Thanks to its IP66 protection grade, it can be installed both indoor and outdoor.

FEATURES

- 2 x 5" full range transducers.
- Power selectable (100 V): 20 W – 10 W – 5 W.
- 88 dB sensitivity.
- Colour grey RAL 7035.
- Aluminium body, grille and bracket.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP66.





CERTIFICATION

EN 54-24 **CPR: 1488-CPR-0641/W** CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	130 Hz ÷ 20000 Hz
Max SPL @ 1m:	101 dB
Max SPL @ 4m:	89 dB
System Sensitivity:	88 dB
System Sensitivity 1W @ 4m:	76 dB
Coverage angle:	130°

POWER SECTION

Power Handling:	20 W RMS
Peak Power Handling:	80 W PEAK
Recommended Amplifier:	40 W
Protections:	Thermal fuse

TRANSDUCERS

Full range:	2 x 5.0''

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	20 W - 500 ohm
Power selection 2 (100 V):	10 W - 1000 ohm
Power selection 3 (100 V):	5 W - 2000 ohm

PHYSICAL SPECIFICATIONS

IP protection grade:	IP 66
Cabinet/Case Material:	Aluminium
Hardware:	Aluminium bracket
Grille:	Aluminium
Colour:	Gray - RAL 7035
Depth:	184 mm / 7.24 inches
Diameter:	146 mm / 5.75 inches
Weight:	3.25 kg / 7.17 lbs



CFVDP4EN

SOUND PROJECTOR

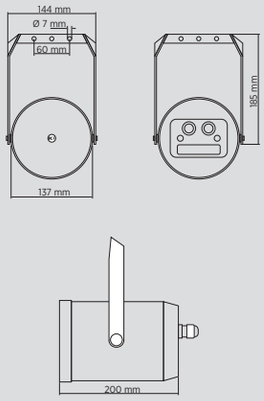
Unidirectional sound projector

CFVDP4EN is a unidirectional sound projector featuring an elegant aesthetic and easy orientation, suitable for the sound of commercial and industrial environments where a good sound quality and high intelligibility and efficiency are required.

It features a cylindrical plastic body with aluminium grille and U-bracket support. Thanks to its IP55 protection grade, it can be installed both indoor and outdoor.

FEATURES

- 4" full range transducer.
- Power selectable (100 V): 10 W – 5 W – 2.5 W.
- 91 dB sensitivity.
- Colour grey RAL 7035.
- Flame proof ABS body, aluminium grille and bracket.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP55.



CERTIFICATION

EN 54-24 **CPR: 0068-CPR-085/2017** CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	180 Hz ÷ 16000 Hz
Max SPL @ 1m:	101 dB
Max SPL @ 4m:	89 dB
System Sensitivity:	91 dB
System Sensitivity 1W @ 4m:	79 dB
Coverage angle:	180°

POWER SECTION	
Power Handling:	10 W RMS
Peak Power Handling:	40 W PEAK
Recommended Amplifier:	20 W
Protections:	Thermal fuse

TRANSDUCERS	
Full range:	4.0"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	10 W - 1000 ohm
Power selection 2 (100 V):	5 W - 2000 ohm
Power selection 3 (100 V):	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS	
IP protection grade:	IP 55
Cabinet/Case Material:	ABS
Grille:	Aluminium
Colour:	Grey - RAL 7035
Depth:	200 mm / 7.87 inches
Diameter:	137 mm / 5.39 inches
Weight:	1.3 kg / 2.87 lbs

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CFVMR52WEN

BASS REFLEX SPEAKER

Two-way bass reflex speaker

CFVMR52WEN is a compact two-way speaker ideal for both alarm messages broadcasting and business music systems.

The installation is fast and efficient using the adjustable mounting bracket (included).

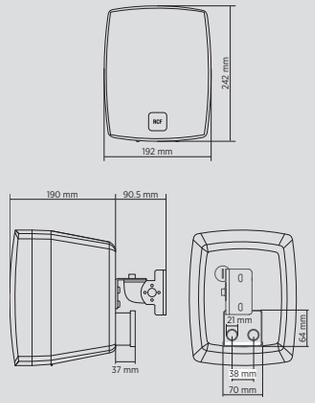
The enclosure is made of high-density ABS and includes a protective steel grille and connection cover.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Power selectable with dedicated switch.

FEATURES

- 5" woofer with 1" dome tweeter.
- Power selectable (100 V): 30 W – 15 W – 7.5 W – 3.75 W.
- 89 dB sensitivity.
- Colour white RAL 9016 or black RAL 9005.
- Flame proof ABS body, steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.



CERTIFICATION

EN 54-24	CPR: 1488-CPR-0591/W CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	80 Hz ÷ 20000 Hz
Max SPL @ 1m:	103 dB
Max SPL @ 4m:	91 dB
System Sensitivity:	89 dB
System Sensitivity 1W @ 4m:	77 dB
Coverage angle:	180°

POWER SECTION

Power Handling:	30 W RMS
Peak Power Handling:	120 W PEAK
Recommended Amplifier:	60 W
Protections:	Thermal fuse

TRANSDUCERS

Dome Tweeter:	1.0"
Woofer:	5.0"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	30 W - 333 ohm
Power selection 2 (100 V):	15 W - 667 ohm
Power selection 3 (100 V):	7.5 W - 1333 ohm
Power selection 4 (100 V):	3.75 W - 2667 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	ABS
Grille:	Steel
Colour:	White
Height:	242 mm / 9.53 inches
Width:	192 mm / 7.56 inches
Depth:	190 mm / 7.48 inches
Weight:	3 kg / 6.61 lbs



CFVMF33EN

CEILING SPEAKER

Two way ceiling speaker

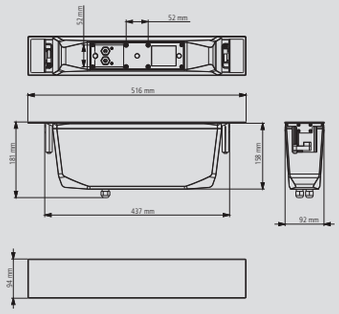
CFVMF33EN is a two-way ceiling speaker designed for recess installation into ceilings or panels.

It is especially suitable for broadcasting background music into commercial spaces, but also alarm messages thanks to the highly intelligible voice reproduction. It features a plastic cabinet with steel magnetic grille, extremely easy to install.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker.

FEATURES

- 2 x 3" full range transducers with 1" dome tweeter.
- Power selectable (100 V): 40 W – 20 W – 10 W – 5 W – 2.5 W.
- 88 dB sensitivity.
- Colour black RAL 9005.
- Plastic body and steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.



CERTIFICATION

EN 54-24 **CPR: 0068-CPR-057/2019** CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	80 Hz ÷ 22000 Hz
Max SPL @ 1m:	104 dB
Max SPL @ 4m:	92 dB
System Sensitivity:	88 dB
System Sensitivity 1W @ 4m:	76 dB
Horizontal coverage angle:	100°
Vertical coverage angle:	160°

POWER SECTION

Power Handling:	60 W RMS
Peak Power Handling:	240 W PEAK
Recommended Amplifier:	120 W
Protections:	Thermal fuse

TRANSDUCERS

Dome Tweeter:	1"
Full range:	2 x 3"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	70/100 V
Power selection 1 (100 V):	40 W - 250 ohm
Power selection 2 (100 V):	20 W - 500 ohm
Power selection 3 (100 V):	10 W - 1000 ohm
Power selection 4 (100 V):	5 W - 2000 ohm
Power selection 5 (100 V):	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	ABS
Grille:	Steel
Colour:	Black
Height:	516 mm / 20.31 inches
Width:	94 mm / 3.7 inches
Depth:	181 mm / 7.13 inches
Recessed Depth:	178 mm / 7.01 inches
Weight:	3.4 kg / 7.5 lbs



CFVWMF33EN

WALL SPEAKER

Two-way wall mount speaker

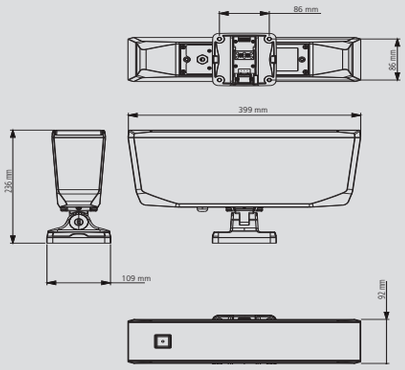
CFVWMF33EN is a two-way wall mount speaker designed for both horizontal and vertical installation.

It is especially suitable for broadcasting background music into commercial spaces, but also alarm messages thanks to the highly intelligible voice reproduction. It features a plastic cabinet with steel magnetic grille, extremely easy to install thanks to the smart support.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker.

FEATURES

- 2 x 3" full range transducers with 1" dome tweeter.
- Power selectable (100 V): 40 W – 20 W – 10 W – 5 W – 2.5 W.
- 88 dB sensitivity.
- Colour black RAL 9005.
- Plastic body and steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Connections integrated in the wall support.



CERTIFICATION

EN 54-24 **CPR: 0068-CPR-057/2019** CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	80 Hz ÷ 22000 Hz
Max SPL @ 1m:	104 dB
Max SPL @ 4m:	92 dB
System Sensitivity:	88 dB
System Sensitivity 1W @ 4m:	76 dB
Horizontal coverage angle:	100°
Vertical coverage angle:	160°

POWER SECTION

Power Handling:	60 W RMS
Peak Power Handling:	240 W PEAK
Recommended Amplifier:	120 W
Protections:	Thermal fuse

TRANSDUCERS

Dome Tweeter:	1"
Full range:	2 x 3"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	70/100 V
Power selection 1 (100 V):	40 W - 250 ohm
Power selection 2 (100 V):	20 W - 500 ohm
Power selection 3 (100 V):	10 W - 1000 ohm
Power selection 4 (100 V):	5 W - 2000 ohm
Power selection 5 (100 V):	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	ABS
Grille:	Steel
Colour:	Black
Height:	399 mm / 15.71 inches
Width:	92 mm / 3.62 inches
Depth:	236 mm / 9.29 inches
Weight:	5 kg / 11.02 lbs



CFVCS6520EN
CFVCS6940EN

COLUMN SPEAKER

Two-way column speaker

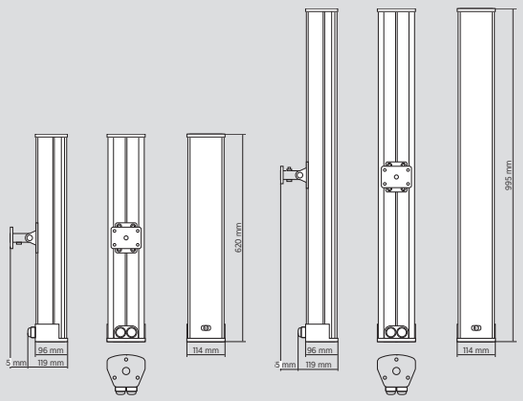
CFVCS6520EN is a compact and elegant two-way column speaker providing highly intelligible voice reproduction, and suitable for installation into places of worship, stations, subways and many other environments.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed).

Thanks to its IP66 protection grade, it can be installed both indoor and outdoor.

FEATURES

- 4 x 3" (8 x 3" CFVCS6940EN) full range transducers with 0.75" dome tweeter.
- Power selectable (100 V): 20 W – 10 W – 5 W – 2.5 W – 1.25 W.
- Power selectable (100 V): 40 W – 20 W – 10 W – 5 W – 2.5 W (CFVCS6940EN).
- 93 dB (95 dB CFVCS6940EN) sensitivity.
- Colour white RAL 9003.
- Aluminium body, grille and bracket.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP66.



CFVCS6520EN CFVCS6940EN

CERTIFICATION		
EN 54-24	CPR: 1488-CPR-0490/W	CE

ACOUSTICAL SPECIFICATIONS	CFVCS6520EN	CFVCS6940EN
Frequency Response (-10dB):	140 Hz ÷ 20000 Hz	140 Hz ÷ 20000 Hz
Max SPL @ 1m:	105 dB	109 dB
Max SPL @ 4m:	93 dB	97 dB
System Sensitivity:	93 dB	95 dB
System Sensitivity 1W @ 4m:	81 dB	83 dB
Horizontal coverage angle:	185°	194°
Vertical coverage angle:	47°	30°

POWER SECTION	CFVCS6520EN	CFVCS6940EN
Power Handling:	20 W RMS	40 W RMS
Peak Power Handling:	80 W PEAK	160 W PEAK
Recommended Amplifier:	40 W	80 W
Protections:	Thermal fuse	Thermal fuse

TRANSDUCERS	CFVCS6520EN	CFVCS6940EN
Dome Tweeter:	0.75"	0.75"
Full range:	4 x 3.0"	8 x 3.0"

INPUT/OUTPUT SECTION	CFVCS6520EN	CFVCS6940EN
Input connectors:	Ceramic screw terminals	
Output connectors:	Ceramic screw terminals	
Constant Voltage Transformer:	70/100 V	
Power selection 1 (100 V):	20 W - 500 ohm	40 W - 250 ohm
Power selection 2 (100 V):	10 W - 1000 ohm	20 W - 500 ohm
Power selection 3 (100 V):	5 W - 2000 ohm	10 W - 1000 ohm
Power selection 4 (100 V):	2.5 W - 4000 ohm	5 W - 2000 ohm
Power selection 5 (100 V):	1.25 W - 8000 ohm	2.5 W - 4000 ohm

PHYSICAL SPECIFICATIONS	CFVCS6520EN	CFVCS6940EN
IP protection grade:	IP 66	
Cabinet/Case Material:	Aluminium	
Grille:	Aluminium	
Colour:	White - RAL 9003	
Height:	620 mm / 24.41 in.	995 mm / 39.17 in.
Width:	114 mm / 4.49 in.	114 mm / 4.49 in.
Depth:	96 mm / 3.78 in.	96 mm / 3.78 in.
Weight:	4.2 kg / 9.26 lbs	7 kg / 15.43 lbs



CFVDU60EN

UNIVERSAL SPEAKER

Wall and ceiling universal steel speaker

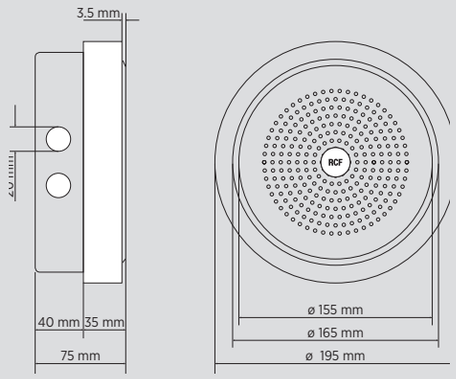
CFVDU60EN is a universal speaker designed for wall and ceiling installation. It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed). Cables inside speaker made using flameproof leads.

FEATURES

- 5" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W – 0.75 W.
- 94 dB sensitivity.
- Colour white RAL 9016.
- Steel body and grille.
- In/out ceramic terminal block.
- Thermal fuse protection.



CERTIFICATION

EN 54-24	CPR: 1488-CPR-0488/W CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	100 Hz ÷ 20000 Hz
Max SPL @ 1m:	100 dB
Max SPL @ 4m:	88 dB
System Sensitivity:	94 dB
System Sensitivity 1W @ 4m:	82 dB
Coverage angle:	180°

POWER SECTION

Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS

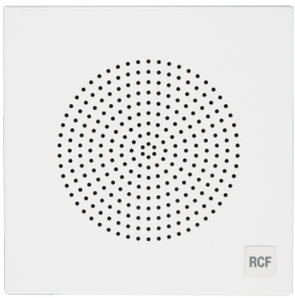
Full range:	5.0''

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm
Power selection 4 (100 V):	0.75 W - 13333 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	Metal
Grille:	Steel
Colour:	White - RAL 9016
Depth:	75 mm / 2.95 inches
Diameter:	195 mm / 7.68 inches
Weight:	1.61 kg / 3.55 lbs



CFVDU50EN

UNIVERSAL SPEAKER

Wall and ceiling universal steel speaker

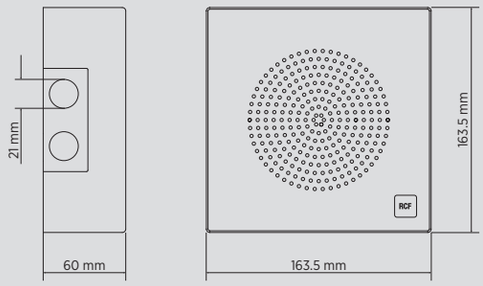
CFVDU50EN is a universal speaker designed for wall and ceiling installation. It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed). Cables inside speaker made using flameproof leads.

FEATURES

- 5" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W – 0.75 W.
- 91 dB sensitivity.
- Colour white RAL 9010.
- Steel body and grille.
- In/out ceramic terminal block.
- Thermal fuse protection.



CERTIFICATION

EN 54-24 **CPR: 1488-CPR-0489/W** CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	190 Hz ÷ 18000 Hz
Max SPL @ 1m:	100 dB
Max SPL @ 4m:	88 dB
System Sensitivity:	91 dB
System Sensitivity 1W @ 4m:	79 dB
Coverage angle:	175°

POWER SECTION

Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS

Full range:	5.0"

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm
Power selection 4 (100 V):	0.75 W - 13333 ohm

PHYSICAL SPECIFICATIONS

Cabinet/Case Material:	Metal
Grille:	Steel
Colour:	White - RAL 9010
Height:	164 mm / 6.46 inches
Width:	164 mm / 6.46 inches
Depth:	60 mm / 2.36 inches
Weight:	1.9 kg / 4.19 lbs



CFVDUP5EN

UNIVERSAL SPEAKER

Wall mount universal plastic speaker

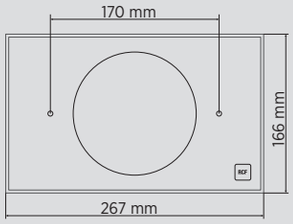
CFVDUP5EN is a universal speaker designed for wall installation. It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires.

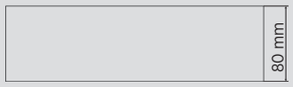
The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Cables inside speaker made using flameproof leads.

FEATURES

- 5.5" full range transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W.
- 92 dB sensitivity.
- Colour white RAL 9016.
- Plastic body and steel grille.
- In/out ceramic terminal block.
- Thermal fuse protection.





CERTIFICATION

EN 54-24 **CPR: 0068-CPPR-085/2017** CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	130 Hz ÷ 17000 Hz
Max SPL @ 1m:	100 dB
Max SPL @ 4m:	88 dB
System Sensitivity:	92 dB
System Sensitivity 1W @ 4m:	80 dB
Coverage angle:	180°

POWER SECTION	
Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

TRANSDUCERS	
Full range:	5.5"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm

PHYSICAL SPECIFICATIONS	
Cabinet/Case Material:	ABS
Grille:	Steel
Colour:	White - RAL 9016
Height:	166 mm / 6.54 inches
Width:	267 mm / 10.51 inches
Depth:	80 mm / 3.15 inches
Weight:	1.15 kg / 2.54 lbs



CFVHD6045EN

HORN SPEAKER

Long-throw fiberglass horn speaker

CFVHD6045EN is a fiberglass horn designed to withstand the most adverse weather conditions, offering high sound reproduction quality and sound pressure levels.

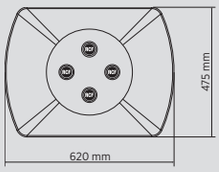
A high level of efficiency and sound pressure can be obtained thanks to the use of 4 dynamic compression driver units.

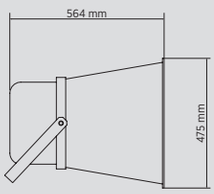
The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker.

FEATURES

- 4 x 2” compression drivers.
- Rated power (100 V): 200 W.
- 101 dB sensitivity.
- Colour white RAL 9003.
- Fiberglass body.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP65.





CERTIFICATION

EN 54-24	**CPR: 0068-CPR-030/2015**	CE

ACOUSTICAL SPECIFICATIONS

Frequency Response (-10dB):	200 Hz ÷ 10000 Hz
Max SPL @ 1m:	124 dB
Max SPL @ 4m:	112 dB
System Sensitivity:	101 dB
System Sensitivity 1W @ 4m:	89 dB
Horizontal coverage angle:	60°
Vertical coverage angle:	50°

POWER SECTION

Power Handling:	200 W RMS
Peak Power Handling:	800 W PEAK
Recommended Amplifier:	400 W
Protections:	Thermal fuse

TRANSDUCERS

Compression Driver:	4 x 2.0”

INPUT/OUTPUT SECTION

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	200 W - 50 ohm

PHYSICAL SPECIFICATIONS

IP protection grade:	IP 65
Cabinet/Case Material:	Vitro resin
Colour:	White - RAL 9003
Height:	475 mm / 18.7 inches
Width:	620 mm / 24.41 inches
Depth:	564 mm / 22.2 inches
Weight:	10.5 kg / 23.15 lbs

Compositor Wagner, 8 | P.I. Can Jardí | 08191 Rubí | Barcelona | (+34) 935 862 690 | cofem@cofem.com | www.cofem.com



CFVMH61EN

HORN SPEAKER

Two-way plastic horn speaker

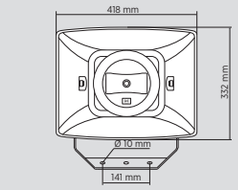
CFVMH61EN is a two-way plastic horn speaker suitable for both broadcasting alarm messages (thanks to the highly intelligible voice reproduction) and background music, and can be used for sound reinforcement and speech systems in medium and large spaces.

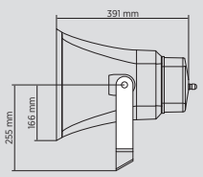
The terminal connection blocks, for input and output flameproof cables, are made of ceramic material.

A thermal fuse protects the integrity of the line in case of heat affecting the speaker. It can be easily aimed towards any direction through the adjustable wall-mount bracket, and thanks to its IP66 protection grade it can be installed both indoor and outdoor.

FEATURES

- 6.5" woofer with 1" dome tweeter.
- Power selectable (100 V): 60 W – 30 W – 15 W – 7.5 W.
- 99 dB sensitivity.
- Colour grey RAL 7035.
- Plastic body.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP66.





CERTIFICATION	
EN 54-24	CPR: 1488-CPR-0672/W CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	100 Hz ÷ 20000 Hz
Max SPL @ 1m:	115 dB
Max SPL @ 4m:	103 dB
System Sensitivity:	99 dB
System Sensitivity 1W @ 4m:	87 dB
Horizontal coverage angle:	70°
Vertical coverage angle:	90°

POWER SECTION	
Power Handling:	60 W RMS
Peak Power Handling:	240 W PEAK
Recommended Amplifier:	120 W
Protections:	Thermal fuse

TRANSDUCERS	
Tweeter:	1"
Woofer:	6.5"

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	60 W - 167 ohm
Power selection 2 (100 V):	30 W - 333 ohm
Power selection 3 (100 V):	15 W - 667 ohm
Power selection 4 (100 V):	7.5 W - 1333 ohm

PHYSICAL SPECIFICATIONS	
IP protection grade:	IP 66
Cabinet/Case Material:	ABS
Hardware:	Steel bracket
Colour:	Gray - RAL 7035
Height:	332 mm / 13.07 inches
Depth:	418 mm / 16.46 inches
Width:	391 mm / 15.39 inches
Weight:	7.35 kg / 16.2 lbs



CFVHD21EN

HORN SPEAKER

Plastic horn speaker

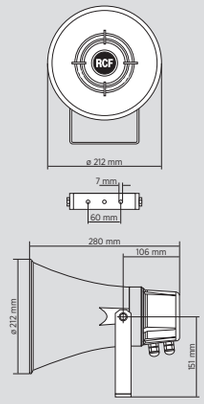
CFVHD21EN is a plastic horn speaker suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its environmental resistance.

The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker.

It can be easily aimed towards any direction through the adjustable wall-mount bracket, and thanks to its IP66 protection grade it can be installed both indoor and outdoor.

FEATURES

- 1.5" compression driver.
- Power selectable (100 V): 30 W – 15 W – 7.5 W – 3.75 W.
- 104 dB sensitivity.
- Colour grey RAL 7035.
- Plastic body.
- In/out ceramic terminal block.
- Thermal fuse protection.
- Protection grade IP66.



CERTIFICATION

EN 54-24 **CPR: 1488-CPR-0652/W** CE

ACOUSTICAL SPECIFICATIONS	
Frequency Response (-10dB):	340 Hz ÷ 9000 Hz
Max SPL @ 1m:	117 dB
Max SPL @ 4m:	105 dB
System Sensitivity:	104 dB
System Sensitivity 1W @ 4m:	92 dB
Coverage angle:	135°

POWER SECTION	
Power Handling:	30 W RMS
Peak Power Handling:	120 W PEAK
Recommended Amplifier:	60 W
Protections:	Thermal fuse

TRANSDUCERS	
Compression Driver:	1.5''

INPUT/OUTPUT SECTION	
Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	30 W - 333 ohm
Power selection 2 (100 V):	15 W - 667 ohm
Power selection 3 (100 V):	7.5 W - 1333 ohm
Power selection 4 (100 V):	3.75 W - 2667 ohm

PHYSICAL SPECIFICATIONS	
IP protection grade:	IP 66
Cabinet/Case Material:	ABS
Hardware:	Stainless steel bracket
Colour:	Grey
Depth:	280 mm / 11.02 inches
Diameter:	212 mm / 8.35 inches
Weight:	2 kg / 4.41 lbs





RACK COMPONENTS

FOR THE OPTIMUM MANAGEMENT OF THE SYSTEM CONFIGURATIONS

The structure is made of steel painted RAL 7035 light grey. The rack enclosures are bake-painted at high temperature using epoxy powders to make the structure unalterable over time and resistant to scratching, abrasion, and atmospheric agents.

They are constructed in compliance with the IEC 297-2 dimensional standard, and the depth is 600 mm for all models.



BASIC STRUCTURE

The rack enclosures are composed of a basic structure that is assembled simply and quickly by fitting and securing four steel uprights to the upper and lower panels.

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CFMCR2600

RACK ENCLOSURES

19" rack enclosures

CFMCR2600 series rack cabinets are designed to hold all RCF 19" rack standard components.

The rack enclosures are bake-painted at high temperature using epoxy powders to make the structure unalterable over time and resistant to scratching, abrasion, and atmospheric agents.

The CFMCR2600 series cabinets are composed of a basic structure that is assembled simply and quickly by fitting and securing four steel uprights to the upper and lower panels. Additional front doors with glass can complete the cabinet.

FEATURES

- They are constructed in compliance with the IEC 297-2 dimensional standard, and the depth is 600 mm for all models.
- The rack enclosures are bake-painted at high temperature using epoxy powders to make the structure unalterable over time and resistant to scratching, abrasion, and atmospheric agents.
- The lower door and side panels are fitted following the wiring operations to facilitate the insertion and connection of the components. The lower panel, which forms the base of the rack, has openings for the passage of external connection cables (speaker lines, power supply, data, etc.) that are sized and shaped to guarantee the electrical safety of the structure. The earthing of the rack complies with current safety regulations.
- For the optimisation of the internal wiring, supports are supplied to gather the cable and attach them in an orderly fashion. The packing materials can be reused for transport the enclosure once it has been wired.
- Front doors are also available, which are useful for to protect the components installed in the rack.

MODEL	CFMCR2642	CFMCR2628
Rack mounting	42 U	28 U
Base dimensions	600 x 600 mm / 23.62 x 23.62 inches	600 x 600 mm / 23.62 x 23.62 inches
Height	2090 mm / 82.28 inches	1490 mm / 58.66 inches
Weight	86 kg / 189.6 lbs	65.5 kg / 144.4 lbs
Colour	Grey - RAL 7035	Grey - RAL 7035
IP protection grade	IP 30	IP 30
Max load	350 Kg / 771.6 lbs	320 Kg / 705.5 lbs
Ventilation system	Thermostat controlled	Thermostat controlled
Thermal dissipation 25 °c	3320 W	3280 W
Thermal dissipation 35 °c	2180 W	2160 W
Included accessories	-	-
Model door	CFMAK2642V	CFMAK2628V



CFMCR2642



CFMCR2628



CFMCR2615FV



CFMCR2609

MODEL	CFMCR2615FV	CFMCR2609
Rack mounting	15 U	9 U
Base dimensions	600 x 600 mm / 23.62 x 23.62 inches	600 x 500 mm / 23.62 x 19.69 inches
Height	770 mm / 30.31 inches	460 mm / 18.11 inches
Weight	30 kg / 66.14 lbs	24 kg / 52.91 lbs
Colour	Grey - RAL 7035	Grey - RAL 7035
IP protection grade	IP 30	IP 30
Max load	100 Kg / 220.5 lbs	25 Kg / 55.11 lbs mountable on rack
Ventilation system	Thermostat controlled	Natural ventilation on sides
Thermal dissipation 25 °c	3130 W	100 W
Thermal dissipation 35 °c	2070 W	150 W
Included accessories	4 wheels with braking system	-
Model door	CFMAK2615V	(included)





ACCESSORIES

CFMPxxx
CLOSURE PANELS







	CFMPAER1	CFMPU2	CFMPU3
Rack mounting:	1U	2U	3U
Type:	Front ventilation panels	2U	3U
Colour:	RAL 9005 Black	RAL 9005 Black	RAL 9005 Black



CFMRR2601
RACK WHEELS KIT

- Wheels for RCF rack cabinets CFMCR2628 and CFMCR2642.
- The kit includes 2 wheels with brake and 2 swivel wheels. Wheel diameter: 80 mm.
- The maximum applicable load does not change when wheels are mounted.



CFMAR2605
FRAME WITH POWER SOCKETS

- 5-socket frame, Schuko and Italian standard, on back-rack support 2U.
- 16A total capacity; cable included.
- Portion of Omega bar for installing 5 Omega standard modules.



CFMAR1050N
RACK LATERAL SUPPORT

- Accessory for installation in CFMCR2600 series racks.



CFVBH1042
BATTERY HOLDER

- Universal battery holder for CFMCR2600 series.



Compositor Wagner, 8-10,
P.I Can Jardí, 08191 Rubí,
Barcelona

(+34) 935 862 690
www.cofem.com | cofem@cofem.com