AUDIO COMPONENTS AND SYSTEMS

ABG Interlinks Ltd.

An ISO 9001:2008 Certified Company

- Fire Fighting
- Cooling &
- Ventilation Solution

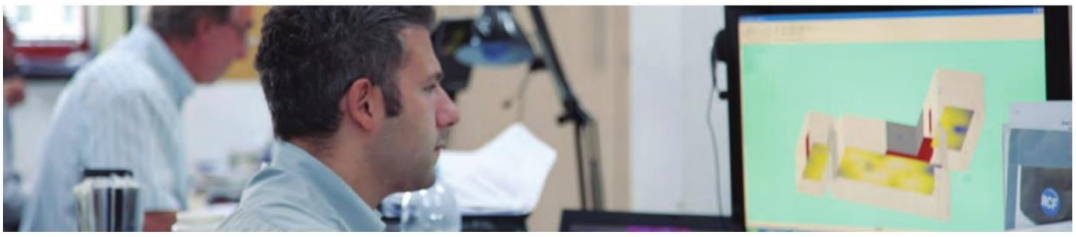
Founded in 1949, RCF built its history of sound amplification from basic solutions for small spaces to vast and complex digital systems for theatres, shopping malls, airports, railway stations, underground metro's, exhibition centres, schools, hospitals, sports arenas, stadia, hotels.
Our Product's design and manufacturing are held in the Reggio Emilia headquarters where more than 240 people are employed ensuring the high quality of RCF's products and systems.

Today RCF produces a wide and diverse range of products to satisfy any sound and musical amplification need. This can range from a single product to complete integrated solution. In doing so, the company can cover everything from a small project to very large and complex system.
RCF controls every step of the production process, from the design to the construction and marketing of its products. Owning its own transducers technology gives RCF an enormous advantage in the development of complete speaker systems, achieving the perfect match between transducers and electronics, now more and more focused on digital technology.

RCF has always been committed in providing complete support to its customers helping them to choose the most suitable solutions for their projects, instruct on how to install the products in the correct way and achieve the best possible performances.

This support activity is crucial to RCF's continual success and we keep investing in this department by expanding our engineering team of product specialists as well as the use of the latest equipments and software technologies.

The direct involvement in groups and more complex projects around the world is continually raising the know-how, experience and reputation of our team of specialists that is considered one of the best Engineering Support Group in our industry.

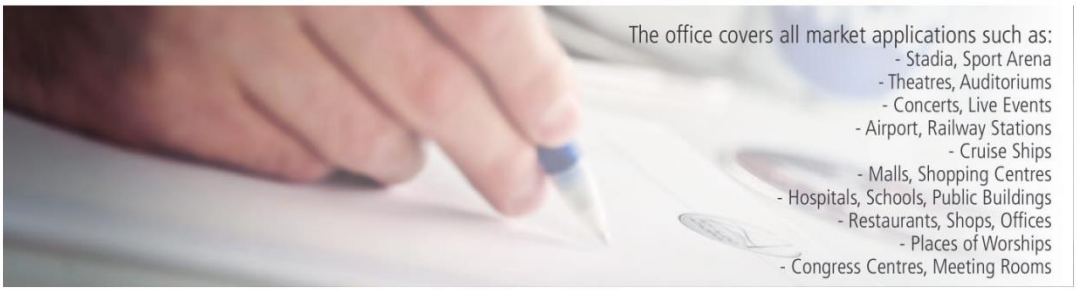


A system design must always be carried out considering the acoustics of the environment, the architectural and installation constraints, the maintenance costs and, on top of everything, the user's requirements. The extensive and complete range of RCF products enables the Engineering Support Group to submit multiple design solutions optimized and tailored according to costs' and performances' requirements.

ESG engineers are also involved in educational and training activities where they can exchange information and opinion with consultants and contractors participating to the RCF Audio Academy program, an extensive range of courses and workshops organized worldwide on several subjects by RCF engineers.

Engineering Support Group is able to produce:

- Design proposal based on supplied venue details, including environment acoustic simulation, products list, bloc diagram, speaker coverage mapping.
- Design validation based on design submitted by the client providing guidance on the proper selection and placement of RCF products.
- Design of alternative solutions, based on existing specs, providing advice and improved system configurations based upon RCF products.
- Acoustical consultancy for the definition of projects specifications in cooperation with architects' and contractors' offices.
- On site system start-up and commissioning. Furthermore RCF provides on request rack already wired completed with connection diagrams and operation manuals.
- Educational and training activities, included in the RCF Audio Academy world-wide program, or tailor made for the client's requirements.



The office covers all market applications such as:
- Stadia, Sport Arena
- Theatres, Auditoriums
- Concerts, Live Events
- Airport, Railway Stations
- Cruise Ships
- Malls, Shopping Centres
- Hospitals, Schools, Public Buildings
- Restaurants, Shops, Offices
- Places of Worships
- Congress Centres, Meeting Rooms

MULTI-ZONE SYSTEMS

Paging and background music to different zones.

MODEL	CFMMS520	CFMZM2000
MAX NUMBER OF ZONES	5 (expandable to 10)	6 (expandable to 54)
MAX. NUMBER OF PAGING MICROPHONES	1	6
AUDIO CHANNELS	5 to LINE level	2
PAGING MIC. PROGRAMMING	-	YES (chime)
SYSTEM SETUP	YES	YES
SYSTEM SETUP DISPLAY	LCD	LCD
PAGING MICROPHONE CABLES	To be chosen according to the used paging microphone and the number of paged zones	RJ45
LOUDSPEAKER CABLES	Twisted Pair	Twisted Pair
REMOTE CONTROLS	YES	YES
MUSIC ON/OFF ON EACH ZONE	YES	YES
DIRECT CURRENT POWER SUPPLY	-	YES

RCF Ambiente

CFMMS520

AMPLIFIER / CONTROL UNIT

- CFMMS520 contains all functions required by a system to send different musical programmes in homes and commercial premises
- Three different musical programmes and one for paging can be sent to five mono zones or, alternatively, 3 mono zones and one stereo zone
- It is also possible link two RCF AMBIENTE and share the music sources in order to extend the number of zones to ten
- Its backlit display and function keys make it possible to access all menus to configure and adjust the system: volume, tone, loudness, output settings, 'VOX'
- The third music source input can have priority (when enabled) over the other two music sources
- Power outlet controlled by the system to switch a connected sound sources on/off
- Black label provided for front panel
- Five amplified 20 W / 4 ohm outputs, each also available as full-range or low-pass signal at line level on RCA connectors to drive external power amplifiers (when areas to be covered are particularly large)
- A direct auxiliary input is available for each of the five zones to connect sources such as CD players, wireless microphones or mixers to be used exclusively for one zone/room
- The universal MIC-LINE input can be used for paging, with the possibility to have a tone that precedes the announcement
- The VOX function can be matched to a zone group to work without pressing keys or closing contacts (e.g. from a suitable private telephone exchange)
- For each zone, an RJ 45 connector allows the connection of remote controls (max. 3 per zone) via CAT5 cable for volume control, musical programme selection or direct input activation installable in any electrical mounting box by using the original local country supports and cover-plates

REAR VIEW

SPECIFICATIONS	CFMMS520
OUTPUT POWER	5 x 20 W RMS
FREQUENCY RESPONSE	20 ÷ 18000 Hz (± 3 dB)
T.H.D.	< 0.5% @ 1 kHz
MIN. OUTPUT LOAD (PER ZONE)	4 Ω
TONE CONTROLS	LOW: 100 Hz ± 8 dB; HIGH: 12.5 kHz ± 8 dB
SIGNAL / NOISE RATIO	> 60 dB (PAGING IN); > 78 dB (MUSIC SOURCE IN, DIRECT IN)
INPUT SENSITIVITY	(MIC) - 58 dBu ÷ - 41 dBu (1 ÷ 7 mV); (LINE) - 43 dBu ÷ -27 dBu (5.5 ÷ 35 mV); (MUSIC, DIRECT) - 16 dBu (120 mV)
PHANTOM POWER SUPPLY (PAGING INPUT)	16 V dc
POWER SUPPLY	100 ÷ 240 V ac (50 - 60 Hz)
INPUT CONNECTORS	11 x RCA (LINE), RJ 45 FOR REMOTE CONTROLS
OUTPUT CONNECTORS	7 x RCA, SCREW TERMINALS FOR LOUDSPEAKERS

CFMRC62

REMOTE CONTROL FOR CFMMS520

□ CFMRC62W white
■ CFMRC62G grey
■ CFMRC62S silver

Designed to be simply inserted into any 503 flush / wall mounted box using original standard supports and cover-plates that can be found on the market.
It allows to select programmes and adjust the volume in the respective zone. It can turn the CFMMS520 in stand-by mode as well.
It can be linked to a CFMMS520 by using CAT5 cables and RJ 45 plugs.
Available in white (W), grey (G) and silver (S)

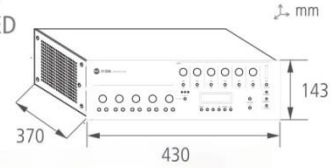
* The picture above shows a possible installation of the CFMRC62 remote control (box, front plate, blank keys are not included).

CFMZM2124

240W 6 ZONES POWERED MASTER UNIT

16100 g

mm



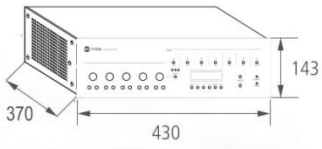
- Dual-bus system architecture
- System Paging consoles input for up to 6 selective devices daisy-chained, aux input and overall emergency input on precedence primary bus
- 4 inputs of which 2 microphone and 2 universal, 3 selectable aux inputs with individual volume and tone controls with configurable priority on secondary bus
- 240W constant voltage power amplifier with VU-meter for output signal level and overload indication.
- Auxiliary external amplifier input and output terminals to manage primary and secondary buses independently
- Volume attenuators and switches with indicators to send or not the secondary bus program (i.e. music) on each of the 6 speaker line outputs
- Link to connect up to eight CFMZE2200 6six-zone expansion units so to built-up paging systems in excess of 50 zones.
- Dedicated wall mounting system remote control allows you to remote the main commands available on the master unit
- Priority indicator to show when any system priority circuit has been triggered
- Selectable chime generator is available on announcements
- GPI and GPO logic ports are available for interface purposes with third parties systems and for monitoring feedback

CFMZM2100

240W 6 ZONES PRE-AMPLIFIED MASTER UNIT

8200 g

mm



- Dual-bus system architecture
- System Paging consoles input for up to 6 selective devices daisy-chained, aux input and overall emergency input on precedence primary bus
- 4 inputs of which 2 microphone and 2 universal, 3 selectable aux inputs with individual volume and tone controls with configurable priority on secondary bus
- Interconnection terminals for power amplifiers to manage primary and secondary buses independently, using 100V single or dual amplifier configuration or 0dB multi-amplifier configuration according to system requirements
- Switches with indicators to send or not the secondary bus program (i.e. music) on each of the 6 output zones
- Link to connect up to eight CFMZE2200 6six-zone expansion units so to built-up paging systems in excess of 50 zones.
- Priority indicator to show when any system priority circuit has been triggered
- Selectable chime generator is available on announcements
- GPI and GPO logic ports are available for interface purposes with third parties systems and for monitoring feedback.
- Dedicated wall mounting system remote control allows you to remote the main commands available on the master unit
- CFMRS232 port for FW upgrade and communication/interface purposes
- Power supply AC or DC24V, 3U 19" rack mounting

SPECIFICATIONS	CFMZM2124	CFMZM2100
INTERNAL AMPLIFIER MAX. OUTPUT POWER	240 W	-
INTERNAL AMPLIFIER OUTPUT VOLTAGE	100 – 70 V (direct), 100 V (6 zones)	-
FREQUENCY RESPONSE (+1 / -3 dB)	MIC: 60 Hz ÷ 15 kHz ; AUX: 50 Hz ÷ 20 kHz	
DISTORTION	< 1%	
INPUT SENSITIVITY MIC/LINE/AUX	1,5 mV (– 54 dBu) / 200 mV (– 12 dBu) / 200 mV (– 12 dBu)	
NOISE/SIGNAL RATIO INPUT MIC/LINE/AUX	> 60 dB / > 70 dB / > 75 dB	
INPUT IMPEDANCE MIC/LINE/AUX	600 Ω (balanced) / 600 Ω (balanced) / 10 kΩ (unbalanced)	
INPUTS	4 input mic. + 3 aux su RCA + 2 paging	
OUTPUTS	6 (power)	6 at 100 V / 0 dB depending on the configuration
EMERGENCY INPUT SENSITIVITY	100 mV (unbalanced audio signal), 100 V line	
SIGNAL/NOISE RATIO EMERGENCY INPUT	> 70 dB	
EMERGENCY INPUT IMPEDANCE	600 Ω (balanced audio signal, input 100 mV)	
POWER SUPPLY	115 V / 230 V ac, 24 V dc	
MAX POWER CONSUMPTION	720 W	100 W

CFMZE2200

6 ZONES EXPANSION UNIT

3400 g

mm

- Direct link to CFMZM2100 or CFMZM2124 to expand the number of the system output zones till 54 by linking up to 8 devices in daisy-chain wiring topology
- 6 zone management based on CFMZM2000 dual-bus system architecture: primary and secondary buses. Interconnection terminals for power amplifiers to manage primary and secondary buses independently
- GPI and GPO logic ports are available for interface purposes with third parties systems and for monitoring feedback.

SPECIFICATIONS	CFMZE2200
FREQUENCY RESPONSE (+1 / -3 dB)	50 Hz ÷ 20 kHz
AUX INPUT SENSITIVITY	1 V (+ 2 dBu)
SIGNAL/NOISE RATIO INPUT AUX	> 75 dB
IMPEDANCE INPUT AUX	10 kΩ (unbalanced)
INPUTS / OUTPUTS	6 a 100 V / 0 dB depending on the configuration
POWER SUPPLY	115 V / 230 V ac (50-60 Hz), 24 V
MAX CONSUMO DI POTENZA	15 W

CFMBM2006

PAGING MICROPHONE

- 6 zone buttons for selective announcements
- 1 general call button.
- Up to 6 consoles can be linked to the main unit.

CFMBE2012

EXTENSION MODULE

- 12 buttons for selective announcements on the zones.
- Extension for CFMBM2006 console
- Up to 4 extensions can be linked to BM2006

CFMRC2946

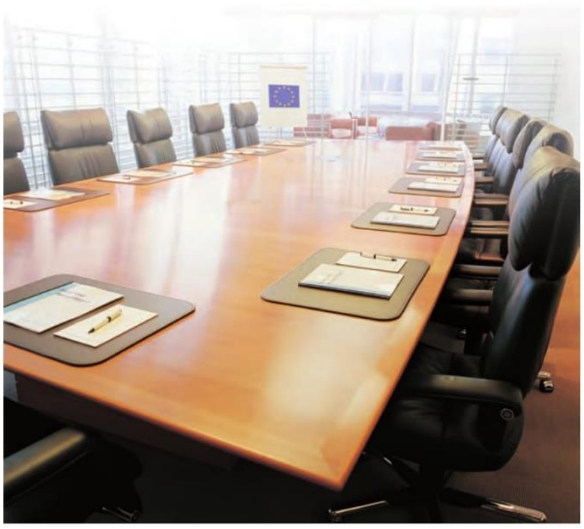
WALL MOUNT REMOTE CONTROL

- Wall mount remote control for the main units.
- It controls the unit zones, source and volume (shown on the display).
- Input for an external audio source.
- Balanced mic input for announcements.
- Inputs are mixable and adjustable.

SPECIFICATIONS	CFMBM2006	CFMBE2012
POWER HANDLING	24 V c.c.	24 V c.c. (with CFMBM2006)
MAX ABSORBED POWER	50 mA (CFMBM2006 only) 130 mA (with 1 CFMBE2012) 210 mA (with 2 CFMBE2012) 290 mA (with 3 CFMBE2012) 370 mA (with 4 CFMBE2012)	80 mA (with one single CFMBE2012)
MAX. OUTPUT LEVEL	1 V (RMS)	-
FREQUENCY RESPONSE	100 Hz ÷ 15 kHz	-
VOICE FILTER	high pass, cutoff frequency: 315 Hz 6 dB / octave	-
DIMENSIONS (L, H, P)	108 mm, 55 mm, 240 mm (CFMBM2006 only)	108 mm, 55 mm, 240 mm
WEIGHT	1 kg (only CFMBM2006)	0,7 kg

FORUM
CFM3000

Flexible, easy to use and install.
Suitable for any small hall and council chambers.

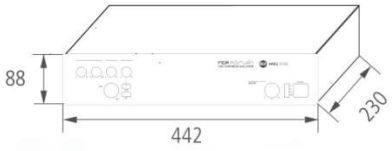


CFMMMU3100

MASTER UNIT

5200 g

mm



- Input to connect up to 80 microphone sets with volume and voice EQ controls
- Additional universal input on both XLR and removable screw terminals for lectern microphone or interview microphone or other sources with volume and voice EQ controls. Input can be set as mixed or with precedence on the system microphone consoles, controlled by an external command or voice activated; Phantom power available.
- Input and outputs connections to an external recorder/player device, PLAY / REC selector switches with LED indicators. Volume control and tone EQ on PLAY-OUT
- Teleconference dedicated input and output
- Sound reinforcement and recording system output
- Built-in power amplifier to feed the consoles speakers with volume selector
- Built-in 80W power amplifier output with volume control for additional constant voltage sound reinforcement speakers
- Connection to link two CFMMMU3100 units to increase microphones sets to 160 units
- 2U 19" standard rack, mounting ears provided

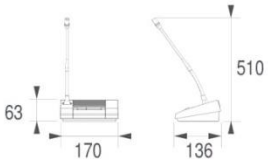
SPECIFICATIONS	CFMMMU3100
POWER SUPPLY	115-230V / 50-60 Hz
MAXIMUM POWER CONSUMPTION	240 W
DIMENSIONS (W X H X D)	442 x 88 x 230 mm
WEIGHT	4 Kg
DESK INPUT	
SENSITIVITY	-7 dBu (max. + 13 dBu)
IMPEDANCE	1 Ω
INPUT PLAY	
SENSITIVITY	-7 dBu (max. + 13 dBu)
IMPEDANCE	20 Ω
MIXER OUT	
MAXIMUM POWER LEVEL	+21 dBu
IMPEDANCE	100 Ω
RECORDING OUTPUT	
FREQUENCY RESPONSE (-3 dB)	35 Hz ÷ 20 kHz
S/N RATIO	≥ 85 dBA

CFMMMS3405P

CHAIRMAN MICROPHONE SET

1000 g

mm



- Chairman Microphone Set CFMMMS3405P
- PRO-quality cardioid microphone with LED ring mounted on 46cm gooseneck
- Push-to-lock switch for microphone activation in mixed mode, with LED indicator
- Push-to-talk switch for microphone activation in priority mode, with LED indicator
- Hi quality transducer for sound reinforcement purpose, automatically disabled when microphone is active
- RJ 45 terminal for the connection to CFMMMU3100 master unit through CAT5 FTP cable
- Two RJ 45 connectors to daisy-chain delegate consoles branches through CAT5 FTP cable
- Robust shielded enclosure suitable for desktop or semi-flush mounting

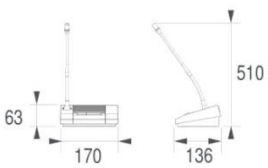
SPECIFICATIONS	CFMMMS3405P
MICROPHONE CAPSULE	ELECTRET
TYPE	HYPERCARDIOID
SENSITIVITY	0.56 mV / Pa
FREQUENCY RESPONSE	70 Hz ÷ 18 kHz
SPEAKER POWER	1 W
CONNECTORS	RJ 45
WEIGHT	1 kg

CFMMMS3404D

DELEGATE MICROPHONE SET

1000 g

mm



- Delegate Microphone Set CFMMMS3404D
- PRO-quality cardioid microphone with LED ring mounted on 46cm gooseneck
- Push-to-lock switch for microphone activation in mixed mode, with LED indicator
- Hi quality transducer for sound reinforcement purpose, automatically disabled when microphone is active
- RJ 45 terminals for daisy-chain link to CFMMMS3405P chairman console through CAT5 FTP cable
- Robust shielded enclosure suitable for desktop or semi-flush mounting

SPECIFICATIONS	CFMMMS3404D
MICROPHONE CAPSULE	ELECTRET
TYPE	HYPERCARDIOID
SENSITIVITY	0.56 mV / Pa
FREQUENCY RESPONSE	70 Hz ÷ 18 kHz
SPEAKER POWER	1 W
CONNECTORS	RJ 45
WEIGHT	1 kg

MICROPHONES AND WIRELESS MICROPHONES

Optimised in the voice frequency range to guarantee maximum speech clarity.

MODEL	CFMMD7600	CFMMD7800	CFMMD6000X
TYPE	Dynamic	Dynamic	Dynamic
POLAR PATTERN	Supercardioid	Supercardioid	Cardioid
FREQUENCY RESPONSE	60 ÷ 16000 Hz	60 ÷ 20000 Hz	300 ÷ 3000 Hz
SENSITIVITY (0 dB=1V/µbar, 1kHz)	- 75 dB	- 70 dB	- 70 dB
PHANTOM PWR. SUPPLY	-	-	-
CONNECTOR	3 pole XLR (M)	3 pole XLR (M)	3 pole XLR (M)
ON/OFF SWITCH	Yes	Yes	Yes
USE	Speech, singing	Speech, singing	Speech, emergency

MODEL	CFMMC4064	CFMMC5030	CFMMC5054
TYPE	Electret	Electret	Electret
POLAR PATTERN	Cardioid	Cardioid	Cardioid
FREQUENCY RESPONSE	50 ÷ 18.000 Hz	80 ÷ 14000 Hz	50 ÷ 14.000 Hz
SENSITIVITY (0 dB=1V/µbar, 1kHz)	- 58 dB	- 75 dB	- 68 dB
PHANTOM PWR. SUPPLY	12 ÷ 52 V	12 ÷ 48 V	9 ÷ 52 V
CONNECTOR	XLR 3 (M)	3 pole XLR (M)	XLR 3 (M)
ON/OFF SWITCH	Yes	Yes	No
USE	Speech, conference	Speech, announcements	Speech, announcements

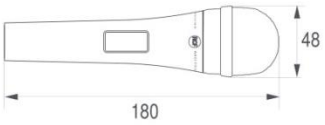
MODEL	CFMBM3001	CFMBM3003	CFMBM3022	CFMBM3014
TYPE	Electret	Electret	Electret	Dynamic
POLAR PATTERN	Cardioid	Cardioid	Cardioid	Cardioid
FREQUENCY RESPONSE	50 ÷ 18000 Hz	50 ÷ 18000 Hz	100 ÷ 12000 Hz	100 ÷ 12000 Hz
SENSITIVITY (0 dB=1V/µbar, 1kHz)	- 65 dB	- 65 dB	- 82 dB	- 80 dB
POWER SUPPLY	18 ÷ 48 V PHANTOM	115 - 230 V ac / 24 V dc	115 - 230 V ac / 24 V dc	-
CONNECTORS	RJ 45	RJ 45	RJ 45	3 pole XLR (M)
ON/OFF SWITCH	Yes	Yes	Yes	Yes
USE	Announcements	Announcements	Announcements	Announcements

MODEL	CFMMT3100	CFMMC5200
TYPE	Electret	UNI-DIRECTIONAL, BACK ELECTRET CONDENSER
POLAR PATTERN	Omnidirectional	Uni-directional
FREQUENCY RESPONSE	50 ÷ 18000 Hz	50 ÷ 18000 Hz
SENSITIVITY (0 dB=1V/µbar, 1kHz)	- 58 dB	- 58dB ± 3dB (0 dB=1V/µbar, 1kHz)
PHANTOM PWR. SUPPLY	12 ÷ 52 V	12 ÷ 48 V
CONNECTOR	3 pole XLR (M)	5 poles XLR (m)
ON/OFF SWITCH	-	Yes
USE	Speech (table top)	Speech (table top)

CFMMD7600

DYNAMIC MICROPHONE

290 g



- Typical use: speech, singing
- Supercardioid dynamic microphone
- Anti-pop filter
- ON/OFF switch with lock
- Minimum handling noise
- 5 metre balanced and screened cable with 3 pole XLR connectors included
- Mic. holder for stands and soft bag included

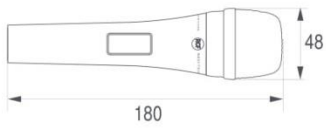
SPECIFICATIONS	CFMMD7600
TYPE	DYNAMIC, SUPERCARDIOID
IMPEDANCE	500 Ω ± 30% (1 kHz)
SENSITIVITY	- 75 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
FREQUENCY RESPONSE	60 ÷ 16000 Hz
CONNECTORS	3 pole XLR (m)

CFMMD7800

PROFESSIONAL DYNAMIC MICROPHONE

305 g

mm



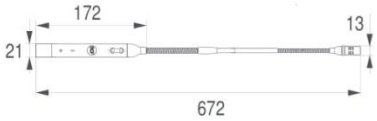
- Typical use: speech, singing
- Professional supercardioid dynamic microphone
- Anti-pop filter
- ON/OFF switch with lock
- Minimum handling noise
- 5 metre balanced and screened cable with 3 pole XLR connectors included
- Mic. holder for stands and soft bag included

SPECIFICATIONS	CFMMD7800
TYPE	DYNAMIC, SUPERCARDIOID
IMPEDANCE	600 Ω ± 30% (1 kHz)
SENSITIVITY	- 70 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
FREQUENCY RESPONSE	60 ÷ 20000 Hz
CONNECTORS	3 pole XLR (m)

CFMMC4064

GOOSENECK MICROPHONE
(DESK-TOP / ON FLOOR STAND)

200 g
mm



- Double joint gooseneck, 672 mm long
- Installation on desks (with or without hole), lecterns, mic. floor stands
- It has two switches (PUSH, LOCK), a red ring lamp that is lit when the microphone is activated, a high-pass filter with a switch to cut frequencies below 100 Hz.
- Phantom power supply (12 ÷ 52 V)
- 3 m screened and balanced cable with XLR connectors for linking to a mixer / amplifier, with 2 additional wires for command
- Polyurethane foam wind screen

SPECIFICATIONS	CFMMC4064
TYPE	ELECTRET, CARDIOID
IMPEDANCE	600 Ω BALANCED
FREQUENCY RESPONSE	50 ÷ 18000 Hz
SENSITIVITY	- 58 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
CONNECTOR	3 pole XLR (m)

C F M A C M I C D K

TABLE BASE FOR
MICROPHONE MC 4064

- Standard connection 5/8
- Diameter: 160 mm
- Weight: 1 Kg

CFMMT3100

DESK-TOP MICROPHONE

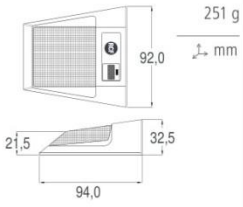
130 g
mm

- Resistant plastic body with metal mesh and base
- Red LED lit when the microphone is ON
- Electronic filter for suppressing noise caused by vibrations transmitted from the support surface
- Phantom power supply (12 ÷ 52 V dc)
- 5 m screened and balanced cable with 3 pole XLR connectors
- Dimensions: Ø120 x 27mm (h)
- Colour: RAL 7021 anthracite grey (MT 3100)
  RAL 9003 white (MT 3200)

CFMMC5200

DESK-TOP MICROPHONE

251 g
mm



- Metal body and mesh
- Red LED lit when the microphone is ON
- Toggle switch for BOOST, FLAT and LOW CUT
- Phantom power supply (12 ÷ 48 V dc)
- 5 poles XLR connector
- Dimensions: 94 x 92 x 34mm
- Colour: RAL 9003 white (MT 3200)

SPECIFICATIONS	CFMMT3100	CFMMC5200
TYPE	ELECTRET, OMNIDIRECTIONAL (CFMMT3100), SEMICARDIOID (CFMMT3200)	UNI-DIRECTIONAL, BACK ELECTRET CONDENSER
IMPEDANCE	600 Ω BALANCED	3000hm ± 30% (at 1kHz)
FREQUENCY RESPONSE	50 ÷ 18000 Hz	50 ÷ 18000 Hz
SENSITIVITY	- 54 dB ± 3 dB (0 dB=1V/µbar, 1kHz)	- 58dB ± 3dB (0 dB=1V/µbar, 1kHz)
CONNECTORS	3 poles XLR (m)	5 poles XLR (m)

CFMTX2006

UHF DIVERSITY SYSTEM - HAND HELD TX

CFMPX2106

UHF DIVERSITY SYSTEM - POCKET TX

Each receiver has 2 antennas for smart switching diversity control (the higher level radio signal is automatically selected), greater reliability and coverage, reduced risks of breakdowns and interferences. 16 different frequencies / channels are available. It is possible to use up to 6 channels simultaneously (when having 6 wireless microphone kits).
Channels can be manually selected on all transmitters and receivers.

SPECIFICATION	CFMTX2006 - CFMPX2106
CHANNEL	SINGLE
TYPE	(PLL) UHF, 'DIVERSITY' RECEIVER
FREQUENCY BAND	UHF, 638 ÷ 662 MHZ
FREQUENCY RESPONSE	50 HZ ÷ 50 KHZ (± 3 DB)
FREQUENCY STABILITY	± 0.005 %
MODULATION MODE	FM (F3E)
DYNAMIC	> 100 DB
CFMRX2006 RECEIVER	
T.H.D.	< 1 %
AUDIO OUTPUT	280 MV @ ± 15 KHZ DEVIATION
S/N RATIO	> 90 DB
RF SENSITIVITY	– 100 DBM / 30 DB SINAD
POWER SUPPLY	THROUGH EXTERNAL 12 V DC (0.5A) ADAPTER
DIMENSIONS	130 MM (W), 44 MM (H), 201 MM (D)
NET WEIGH	0.37 KG
TRANSMITTER / HAND HELD MICROPHONE CFMTX2000 - POCKET CFMPX2100	
RF OUTPUT POWER	10 MW
TONE FREQUENCY	32,768 kHz
CURRENT ABSORPTION	< 150 MA
MAX. DEVIATION	± 35 kHz
PILE	2 x TYPE 'AA' (1,5 V; NON RECHARGEABLE)
CFMTX2000 TYPE	DYNAMIC MICROPHONE
PX 2100 TYPE	'LAVALIER' (TIE-CLIP) ELECTRET MICROPHONE
DIMENSIONS CFMTX2000	(L) 220 mm
DIMENSIONS CFMPX2100	65 mm (L), 111 mm (H), 31 mm (P)
NET WEIGH	(CFMTX2000) 0,16 Kg - (CFMPX2100) 0,11 Kg

CFMHE2006

'HEADSET' MICROPHONE

'Headset' type, reliable and light.
Cardioid electret capsule.
It ensures an excellent isolation from environmental noise.
Typical use: dancers, singers, djs, aerobic instructors, presenters, actors, etc.
The optimal use of the microphone requires a distance between the capsule and mouth of about 25 mm.

CFMTX4016

UHF TRUE DIVERSITY SYSTEM - HAND HELD TX

CFMPX4116

UHF TRUE DIVERSITY SYSTEM - POCKET TX

Each receiver has 2 antennas for smart switching diversity control (the higher level radio signal is automatically selected), greater reliability and coverage, reduced risks of breakdowns and interferences. The operating frequency of the transmitter can be automatically searched thanks to the receiver auto-scan function. Of course, it is possible to match the transmitter channel to the receiver one manually. 144 channels are available (12 groups, each with 12 different frequencies). It is possible to use up to 16 channels simultaneously (when having 16 wireless microphone kits).

SPECIFICATION	CFMTX4016 - CFMPX4116
CHANNEL	SINGLE (OUT OF 144 FREQUENCIES)
TYPE	(PLL) UHF, 'DIVERSITY' RECEIVER
FREQUENCY BAND	UHF, 638 MHZ ÷ 662 MHZ
FREQUENCY RESPONSE	50 HZ ÷ 50 KHZ (± 3 DB)
FREQUENCY STABILITY	± 0.005 % (–10 ÷ 50°C)
T.H.D.	< 0.8% (1 KHZ)
MODULATION MODE	FM (F3E)
DYNAMIC	> 100 DB
CFMRX4016 RECEIVER	
BALANCED AUDIO OUTPUT	1 V, ± 35 KHZ DEVIATION
UNBALANCED AUDIO OUTPUT	750 MV, ± 35 KHZ DEVIATION
S/N RATIO	> 90 DB
RF SENSITIVITY	– 100 DBM / 30 DB SINAD
POWER SUPPLY	THROUGH EXTERNAL 15 V DC (0.5A) ADAPTER
DIMENSIONS	210 MM (W), 44 MM (H), 155 MM (D); (8.2" X 1.7" X 6.1")
NET WEIGHT	0.99 KG
TRANSMITTER / HAND HELD MICROPHONE CFMTX4000 - BODY PACK TRANSMITTER CMPX4100	
RF OUTPUT POWER	1 - 3 - 10 mW
FREQUENCY RESPONSE	(TX 4000) 90 Hz ÷ 12 kHz (± 3 DB) (PX 4100) 50 Hz ÷ 15 kHz (± 3 dB)
CFMTX4000 TYPE	DYNAMIC, CARDIOID
CFMPX4100 TYPE	ELECTRET MICROPHONE
TONE FREQUENCY	30-33 kHz
MAX. DEVIATION	± 35 kHz
BATTERIES	2 x TYPE 'AA' (1,5 V; NON RECHARGEABLE)
DIMENSIONS CFMTX4000	277 mm (L), Ø 36.5 m
DIMENSIONS CFMPX4100	97 mm (L), 68 mm (H), 22 mm (P)
NET WEIGHT	(CFMTX4000) 0,25 Kg - (CFMPX4100) 0,01 Kg

CFMHE2006

'HEADSET' MICROPHONE

'Headset' type, reliable and light.
Cardioid electret capsule.
It ensures an excellent isolation from environmental noise.
Typical use: dancers, singers, djs, aerobic instructors, presenters, actors, etc.
The optimal use of the microphone requires a distance between the capsule and mouth of about 25 mm.

CFMBM3001

PAGING MICROPHONE

CFMBM3003

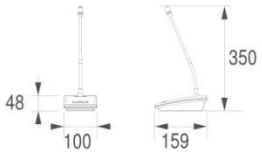
3 ZONE PAGING MICROPHONE

700 g

mm

600 g

mm



- Plastic body with 300 mm gooseneck
- Polyurethane foam wind screen
- [only CFMBM3001] It can be directly connected to CFMES3160, CFMES3323, CFMAM2080, CFMAM2160, CFMAM2320, CFMUP2081, CFMUP2161, CFMUP2321.
- CFMES3160, CFMAM2160, CFMAM2320 chime activation
- PTT button with LED
- 5 m connecting cable (with RJ 45 plugs) included

solo CFMBM3003:

- 3 zone selection push buttons with LED
- Two colours LED indicating power supply and busy status
- It can be directly connected to CFMES3323 amplifiers
- The power voltage for the first CFMBM3003 connected to the units is supplied by the CFMES3323
- Line of max.12 CFMBM3003 paging microphones can be connected to the CFMES3323 by using an additional power supply unit 24 V dc (CFMACAD2505, not included)
- CFMBM3003 works only with CFMES3323

SPECIFICATIONS	CFMBM3001	CFMBM3003
TYPE	ELECTRET, CARDIOID	ELECTRET, CARDIOID
IMPEDANCE	470 Ω BALANCED	470 Ω BALANCED
FREQUENCY RESPONSE	50 ÷ 18000 Hz	50 ÷ 18000 Hz
SENSITIVITY	- 65 dB ± 3 dB (0 dB=1V/µbar, 1kHz)	- 65 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
CONNECTORS	8 pole RJ 45	2 x 8 pole RJ 45

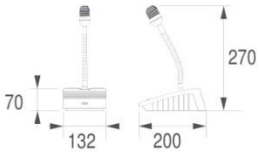
EASYLINE SOLUTIONS

CFMBM3014

PAGING MICROPHONE

1600 g

mm



- Plastic body with 320 mm gooseneck
- Push button for momentary microphone activation
- 5 m screened and balanced cable with XLR connectors for linking to a mixer / amplifier, with 2 additional wires for command

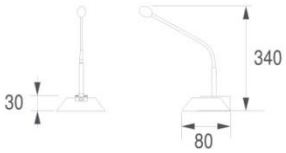
SPECIFICATIONS	CFMBM3014
TYPE	DYNAMIC, CARDIOID
IMPEDANCE	500 Ω BALANCED
FREQUENCY RESPONSE	100 ÷ 12000 Hz
SENSITIVITY	- 71 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
CONNECTORS	3 pole XLR

CFMMC5030

DESKTOP MICROPHONE

295 g

mm



- Compact die-cast metal base with gooseneck
- Locking push button with LED for microphone activation
- Power supplied by 'Phantom' (12 ÷ 48 V dc)
- 3 m screened and balanced cable with XLR connectors for linking to a mixer / amplifier, with 2 additional wires for command
- Polyurethane foam wind screen

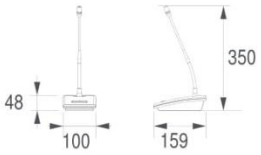
SPECIFICATIONS	CFMMC5030
TYPE	ELECTRET, CARDIOID
IMPEDANCE	200 Ω BALANCED
FREQUENCY RESPONSE	80 ÷ 14000 Hz
SENSITIVITY	- 75 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
CONNECTORS	3 pole XLR

CFMBM3022

PRE-AMPLIFIED DESK TOP MICROPHONE

600 g

mm



- Gooseneck microphone with hi-quality unidirectional
- Electret capsule
- Direct connection to power amplifiers input through CAT5 cable
- Adjustable line output with RJ45 connector
- Switchable automatic gain control (AGC)
- Up to 30 CFMBM3022 paging microphones can be linked in a 'daisy-chain'
- Selectable mixing, interlocking or priority mode among devices
- When activating a microphone, the announcement can be preceded by a chime.

SPECIFICATIONS	CFMBM3002
TYPE	ELECTRET
IMPEDANCE	130 Ω BALANCED
FREQUENCY RESPONSE	200 ÷ 7000 Hz
SENSITIVITY	- 65 dB ± 3 dB (0 dB=1V/µbar, 1kHz)
CONNECTORS	2 x RJ 45 (IN - OUT)

CFMMC5054

FLEXIBLE UNIVERSAL MICROPHONE

Flexible microphone, 445 mm length. Installation on microphone plug with XLR connector. Male 3 pin XLR output connector. Phantom power 9 V to 52 V.
Polyurethane anti wind foam. Electret, Cardioid.
Impedance: 200 Ω ± 30% (at 1.000 Hz).
Frequency response: 50 ÷ 18.000 Hz.
Sensitivity: -65 dB ± 3 dB (0 dB = 1 V/µbar 1.000 Hz)
Dimensions: diameter 19x540 mm.

CFMAC503FS

MC 5054 ADAPTOR FOR FLOOR MICROPHONE STAND

Universal extended metal stand. Female 3 pins XLR microphone connector. Installation with screws on a table, a bookstand or a microphone stand. Button for stable and unstable microphone insertion. Screw thread 5/8" x 27 mm.
1,5 m cable (with 3 pin, male XLR) for amplifier connection
Dimensions: diameter 20,5 x 199,3 mm.

CFMOT3500

TRANSFORMER FOR DISTRIBUTED SYSTEMS

Insulation transformer with removable screw terminals. Can work with 0dB signals.

CFMIT4000

INPUT TRANSFORMER 100V TO 0DB

Allows the connection of a 100V (or 70V) passive speakers line directly to the audio input (0 dBu) of an active speaker. Fixing of input and output cables on screw terminals. Metal box, colour black.

CFMMD6000X

HAND MICROPHONE

Unbalanced unidirectional handheld microphone optimised for voice reproduction. On/off pushbutton incorporated in the shockproof plastic body. Colour: black

CFMAC501DK

DESKTOP MIC BASE XLR IN/OUT

CFMAC501DK is a desktop microphone base with input and output XLR connectors.
It offers three different functional modalities: LOCK (bistable on/off button); TALK (microphone open with button pressed only); MUTE (mute active with button pressed).

CFMAC112DK

UNIVERSAL XLR DESKTOP MICROPHONE

Die cast zinc desktop base with activation button. Female 3 pin XLR microphone connector. Male 3 pin XLR connector for output cable.
Dimensions: 162x112x47 mm. Weight 1.5 Kg.

CFMAC502LC

CFMMC5054 ADAPTOR FOR PLATFORMS

Universal table metal support. Female 3 pin XLR connector. Installable on a bookstand with or without a cable hole. Welding terminal for cable. Dimensions: diameter 45x63 mm.

CFMAR1620

RACK MOUNTING ACCESSORY

1U 19" rack kit suitable for 1 or 2 receivers (models: CFMRX1000 or CFMRX1600).

CFMA507
MIC. SUPPORT

Universal quick-release clamp holder for holding cylindrical, conical, and polyhedron shaped microphones.
Clamp opening: from 15 to 38 mm. Suitable for use with CFMTX1000 / CFMTX1600 / CFMTX516 wireless mic. on CFMACS64FL, CFMACS62FL and CFMACS50DK supports.

CFMACS50DK
DESKTOP STAND

Desk top microphone stand with die-cast base, suitable for 5/8" or 3/8" thread. Tilting telescopic rod, adjustable from 38 cm to 58 cm.
Weight: 2 Kg. Height: min/max 38cm/58cm. Base dimensions 16x18cm

CFMACXLR3M3F
CONNECTORS

- 3 XLR Female connector with nickel body and silver contacts
- 3 XLR Male connector with nickel body and silver contacts

CFM22C
AUDIO CABLE

4 Pole cable, 2 shielded wire and 2 unshielded, available in 200 meters coils (code refers to 1 meter cable)

CFMA504N
MIC SUPPORT

Microphone support (5/8" thread).
Suitable for use with the CFMMD7600, CFMMD7800 microphones on CFMACS64FL, CFMACS62FL and CFMACS50DK supports.

CFMCA5XX
MIC. CABLE

5 m microphone cable with XLR connectors.

CFMACS76FL
FLOOR STAND

Floor microphone stand with folding base, suitable for 5/8" thread. Joints and legs in die-cast aluminium. Steel telescopic rod, adjustable from 96 cm to 156 cm. Tilting steel boom-arm, adjustable from 46 cm to 86 cm. Damping base with 58 cm limited opening diameter. Weight: 3.2 Kg. Length once folded: 102 cm

CFMACAD2405
24 V ADAPTOR

Power adaptor for 24 V DC paging microphones
- input 230V AC
- output 24 V DC - 500 mA

CFM2C
AUDIO CABLE

2 Pole shielded cable, available in 200 meters coils (code refers to 1 meter cable)

CFMMP300

OPERATOR/USER INTERCOM SYSTEM KIT

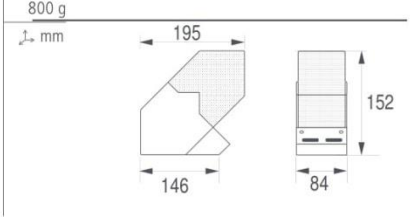
- CFMMP300 system allows conversations between an operator and users /clients when these are separated by a safety glass that reduces the sound transmission
- Operates in full-duplex mode, automatic or mixed-switching depending on the ambient noise in the room / hall served.
- On request, each single component can be purchased separately

MODEL	DESCRIPTION	QUANTITY
CFMMP341	Control unit / amplifier	1
CFMMP321	Operator microphone console with activation keys	1
CFMMP302	User microphone	1
CFMMP301	Loudspeaker	4

SPECIFICATIONS	CFMMP300
MICROPHONES	ELECTRET, UNIDIRECTIONAL
AMPLIFIER POWER	2 W (per each line)
ADDITIONAL LOUDSPEAKER OUTPUT	1 W - 8 Ω
POWER SUPPLY (AC)	230 / 115 V (50 / 60 Hz)
POWER SUPPLY (DC)	12 V

CFMMP321

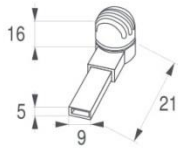
OPERATOR MICROPHONE



- Electret microphone with unidirectional polar pattern, housed into an anthracite grey die-cast aluminium alloy and protected by a painted stainless steel grille
- Equipped with 2 push-buttons to activate the operator-user line and the user-operator line respectively
- A LED indicates which line is activated
- It can be remote controlled (e.g. through a pedal switch)

CFMMP302
USER MICROPHONE

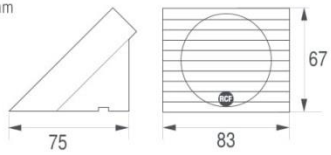
3.5 g
mm



- Electret microphone having high sensitivity and an unidirectional polar pattern, suitable for clear voice reproduction even in very noisy rooms / halls
- Its compact white plastic enclosure has a very sleek contemporary design
- CFMMP302 has a slot (close to the audio cable output) for the insertion of a standard wiring duct
- It can be easily attached on safety glasses through bi-adhesive tape
- 5 m balanced and screened cable for connection to the CFMMP341 control unit / amplifier

CFMMP301
LOUDSPEAKERS

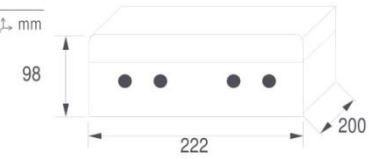
120 g
mm



- CFMMP301 loudspeakers shall be installed near the microphones of the operator and users
- White plastic body
- 70 mm loudspeaker suitable for voice reproduction
- Loudspeakers can be fixed by using biadhesive tape (included)
- 5m loudspeaker cables for connection to the CFMMP341 control unit / amplifier

CFMMP341
CONTROL UNIT / AMPLIFIER

1400 g
mm



- It is the system main unit that manages audio signals coming from microphones.
- 4 switches inside (with LEDs) allow to select one of the 4 operating modes, according to the noise level at the operator's microphone and at the users' microphone. A switch for each line makes it possible to select either the 'direct' function (the line is always activated) or the 'switched' mode (the line is momentary activated when speaking). If both lines are set to the 'switched' mode, only one can be activated at a time. The other 2 switches enable the 'forced volume' function of each line, useful whenever it is necessary to increase (+ 10 dB) the audio level
- It is possible to adjust the listening volume of each position independently, as well as the trigger threshold level of each microphone (factory preset)
- Its plastic enclosure can be wall mounted

AUDIO SOURCES

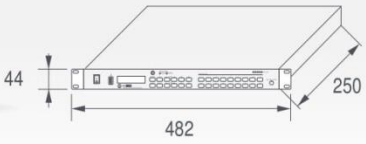
CD players, Radio receivers, message players for every hi-fidelity listening need.

CFMRD2016

MP3 AUDIO FILES DIGITAL RECORDER/PLAYER

- MP3 stereo player/recorder
- Supports SD cards and USB flash drives
- 32 GB Maximum supported memory
- Can play/record one file at a time
- A sequence of 64 file can be programmed
- Fixed MP3 recording format: 192 kbps
- 1 AUX INPUT with parallel AUX OUTPUT
- Disabled front buttons
- IR remote control included
- SD Card not included

REAR VIEW



3000 g

mm

SPECIFICATIONS	CFMRD2016
AUDIO OUTPUT LEVEL	+2 dBu ± 2 dB
DISTORTION (THD+N)	< 0,2 %
SIGNAL/NOISE RATIO	> 70 dB
CHANNEL SEPARATION	> 60 dB
NUMBER OF MESSAGES	16 (7 remotely activable)
MESSAGES LENGTH	Depending on the device capability
POWER SUPPLY	12 V c.c., 0,5 A (100 ÷ 240 V c.a. 50/60 Hz, 0,2 A power supply included)
OUTPUT CONNECTORS	RCA (L&R)

CFMMS1033

CD-USB MP3 PLAYER WITH FM RADIO TUNER

- Double sound source with two independent sections and outputs (Tuner - CD/Mp3)
- CD player to reproduce audio tracks and MP3 files from a compact disc (CD, CD-R, CD-R/W) or from the USB drive ("Flash" memory-stick with only MP3 files)
- The USB port is available on both front and back panels to provide maximum flexibility
- The SD card port is available on front panels
- LCD backlit display gives information on the CD and MP3 files
- I/R remote control for CD and Tuner included
- FM radio tuner (87.5 - 108 MHz) with possibility to memorize your 30 favourite radio stations
- Stereo / Mono selector for applications where stereo signals are not needed
- LCD backlit display shows the frequency and stations that are in the memory

REAR VIEW

3600 g

mm

SPECIFICATIONS	CFMMS1033
AUDIO OUTPUT LEVEL	+4 dBu ± 2 dBu (1.2 V ± 0.2 V)
FREQUENCY RESPONSE	20 ÷ 20.000 Hz (CD); 100 ÷ 12.000 Hz (RADIO)
DISTORTION (THD+N)	< 0.1% (CD); < 0.8% (RADIO)
FREQUENCY RANGE	87.5 ÷ 108 MHz (FM)
SIGNAL TO NOISE RATIO	> 70 dB (CD); > 60 dB (RADIO)
CHANNEL SPLIT	≥ 60 dB (CD); ≥ 30 dB (RADIO)
SENSITIVITY	≤ 10 V
SUPPLY VOLTAGE	220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz)
OUTPUT CONNECTORS	RCA (L&R RADIO); RCA (L&R CD USB/MP3); RCA (L&R MIXED)

AMPLIFIERS AND PREAMPLIFIERS

For constant voltage systems or professional audio applications.

MODEL	CFMES3323II	CFMES3160II	CFMES3080
OUTPUT RMS POWER	320 W	160 W	80 W
OUTPUT	4 Ω (2 W max), 100 V, 70 V	4 Ω, 100 V, 70 V	4 Ω, 100 V, 70 V
FREQUENCY RESPONSE	50 ÷ 18.000 Hz	50 ÷ 18.000 Hz	50 ÷ 18.000 Hz
DISTORTION @ 1 kHz	< 0.3%	< 0.3%	< 0.3%
SIGNAL TO NOISE RATIO	> 65 dB	> 65 dB	> 60 dB
INPUT SENSITIVITY	(MIC) -60 dBu; (AUX) -80 dBu	(MIC) -60 dBu; (AUX) -80 dBu	(MIC) -62 dBu; (AUX) -18 ÷ +20 dBu
INPUT IMPEDANCE	(MIC) 10 KΩ; (AUX) 20 KΩ	(MIC) 10 KΩ; (AUX) 20 KΩ	(MIC) 10 KΩ; (AUX) 20 KΩ
INPUT CONNECTORS	1 x XLR, 2 x RJ45, 4 Term., 1 RCA	1 x XLR, 2 x RJ45, 4 Term., 1 RCA	1 x XLR, 1 x RJ45, 2 Term, 1 RCA
OUTPUT CONNECTORS	4 x RCA, Screw terminal	4 x RCA, Screw terminal	2 x RCA (mono)

MODEL	CFMAM2160 - CFMAM2320	CFMAM2080	CFMUP1121
OUTPUT RMS POWER	160 W / 320 W	80 W	120 W
OUTPUT	4 Ω, 100 V, 70 V	4 Ω, 100 V, 70 V	4 Ω, 100 V, 70 V
FREQUENCY RESPONSE	50 ÷ 18.000 Hz	50 ÷ 18.000 Hz	60 ÷ 15.000 Hz
DISTORTION @ 1 kHz	< 0.3%	< 0.3%	< 1.5%
SIGNAL TO NOISE RATIO	> 60 dB	> 60 dB	> 80 dB
INPUT SENSITIVITY	(MIC) -58 dBu; (LINE) 0 dBu	(MIC) -62 dBu; (LINE) 0 dBu	(LINE) 2 dBu
INPUT IMPEDANCE	(MIC) 10 KΩ; (AUX) 20 KΩ	(MIC) 10 KΩ; (AUX) 20 KΩ	(MIC) 10 KΩ
INPUT CONNECTORS	1 x XLR, 2 x RJ45, 4 Term., 4 RCA	1 x XLR, 2 x RJ45, 4 Term.	Balanced 'line' level AUDIO INPUT (terminal strip)
OUTPUT CONNECTORS	4 x RCA, Screw terminal	4 x RCA, Screw terminal	Screw terminal

MODEL	CFMUP2081 / CFMUP2161 / CFMUP2321	CFMUP2082 / CFMUP2162	CFMAM1125 / CFMAM1064
OUTPUT RMS POWER	80W / 160 W / 320 W	2 x 80W / 2 x 160 W	120 W / 60 W
OUTPUT	4 Ω, 100 V, 70 V	4 Ω, 100 V, 70 V	4 Ω, 100 V, 70 V
FREQUENCY RESPONSE	50 ÷ 18.000 Hz	50 ÷ 18.000 Hz	50 ÷ 15.000 Hz
DISTORTION @ 1 kHz	< 0.3%	< 0.3%	< 1.5%
SIGNAL TO NOISE RATIO	> 80 dB	> 80 dB	> 85 dB
INPUT SENSITIVITY	(MIC) -58 dBu; (LINE) 0 dBu	(MIC) -58 dBu; (LINE) 0 dBu	(MIC) -54 dBu; (LINE) -12 dBu
INPUT IMPEDANCE	(MIC) 10 KΩ; (AUX) 20 KΩ	(MIC) 10 KΩ; (AUX) 20 KΩ	(MIC) 600 Ω; (AUX) 10 KΩ
INPUT CONNECTORS	1 x XLR, 1 x RJ45, 1 Screw terminal	1 Screw terminal	MIC/LINE with XLR connector, 'Phantom' power supply, priority by contact or 'VOX'
OUTPUT CONNECTORS	1 x RCA, Screw terminal	1 x RCA, Screw terminal	Screw terminal

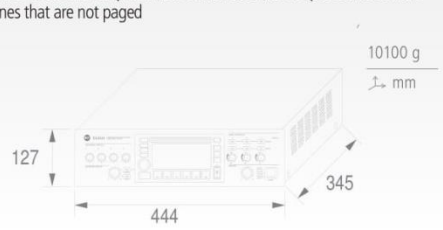
MODEL	CFMUP8501	CFMUP8502	CFMUP8504
OUTPUT RMS POWER	1 X 500 W	2 X 250 W	4 X 125 W
OUTPUT	100 V, 70 V	100 V, 70 V	100 V, 70 V
FREQUENCY RESPONSE	20 HZ ÷ 20 KHZ	20 HZ ÷ 20 KHZ	20 HZ ÷ 20 KHZ
DISTORTION @ 1 kHz	< 0.3%	< 0.3%	< 0.3%
SIGNAL TO NOISE RATIO	> 86 dB	> 86 dB	> 86
INPUT SENSITIVITY	0 DBU (775 MV, MAX. 7 V)	0 DBU (775 MV, MAX. 7 V)	0 DBU (775 MV, MAX. 7 V)
INPUT IMPEDANCE	10 KΩ	10 KΩ	10 KΩ
INPUT CONNECTORS	Screw terminal	Screw terminal	Screw terminal
OUTPUT CONNECTORS	Screw terminal	Screw terminal	Screw terminal

CFMES3323II

320 W, 3-ZONE MIXER AMPLIFIER,
CD/USB/BLUETOOTH MP3 PLAYER

- CD-USB/MP3 Player / FM tuner / Mixer Amplifier
- Bluetooth connection with external devices
- IR Remote control for CD - USB/MP3 player & tuner functions
- Full digital technology amplifier 320 W RMS, 100V-70V
- Low impedance (min. 4 Ω) 2 W output for a monitor loudspeaker is available
- 4 universal inputs with phantom facility, Presence Control and per-channel High-Pass filters
- RJ45 connectors on input 2 and 3 for connection to CFMBM3001 and CFMBM3003 microphone
- Screw terminal connections, additional XLR and RJ45 input connections available
- Configurable Priority settings, VOX facility on input 1
- Selectable aux input for music source with volume and tone controls
- USB port on front panel allows reproduction of MP3 files from a memory stick
- Music On Hold and PRE outputs
- The 3 PAGING buttons to select zones to be paged by either the channel 1 or 4
- GENERAL call button is available
- The 3 MUSIC buttons turn the music on in the respective zones
- Digital Chime and Siren built-in generator, activation through dry contact
- Status / Priority / Audio Level LED indications
- Link to a external amplifier (i.e. CFMUP2321) to keep the music in the zones that are not paged

REAR VIEW



SPECIFICATIONS	CFMES3323
OUTPUT POWER	320 W
FREQUENCY RESPONSE	50 - 18.000 Hz (± 3 dB)
DISTORTION (THD+N)	< 0,3% @ 1 kHz
SPEAKER OUTPUTS	100 V, 70 V, 4 Ω (MONITOR MAX 2 W)
AUXILIARY OUTPUTS	600 Ω, -1 dBu (690 mV)
SIGNAL TO NOISE RATIO	> 65 dB (INPUTS 1-4); > 75 dB (AUX IN); > 85 dB (MAIN IN)
INPUT SENSITIVITY	(MIC) -58 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -11 ÷ +10 dBu (0.2 ÷ 2.5 V)
INPUT IMPEDANCE	(MIC) 10 KΩ; (AUX) 20 KΩ (MIC) 10 kΩ; (MIC PHANTOM) 6.5 kΩ; (LINE): 10 kΩ; (AUX): 20 kΩ
SUPPLY VOLTAGE	220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING
POWER CONSUMPTION	600 W
INPUT CONNECTORS	1 x XLR, 2 x RJ 45, 4 x TERMINAL, 2 x RCA stereo
OUTPUT CONNECTORS	4 x RCA (MUSIC ON HOLD, PRE-OUT, INTERNAL PROGRAM), SCREW TERMINALS FOR CONSTANT VOLTAGE LINES

CFMBM3003

3 ZONE PAGING MICROPHONE

The paging microphone allows to make selective calls to 3 zones and is the ideal complement of the CFMES3323 mixer amplifier (through CAT 5 cable and RJ 45 connector)

CFMAR3000

RACK SUPPORT

Rack mounting support, 3U.

CFMES3160II

160W AMPLIFIER,
CD-USB-BLUETOOTH/MP3

- Mixer amplifier, CD-USB/MP3 player – FM tuner
- Bluetooth connection with external devices
- IR remote control for CD - USB/MP3 player and tuner functions
- Full digital technology 160 W RMS amplifier, 70 – 100 V / 4 Ω outputs
- 4 universal inputs for removable screw-terminals and with phantom power supply, high-pass filters facility and a common presence control
- RJ45 ports on inputs 2 and 3 for connections of CFMBM3001 paging microphones
- Configurable priority settings, VOX facility on input 1
- Aux input with volume and tone controls for an external music source
- USB port on front panel allows reproduction of MP3 files from a flash-drive
- Music On Hold and PRE outputs
- Chime and siren internal generator, activation through dry contacts
- Status / Priority / Audio Level LED indications

REAR VIEW

8000 g
mm

SPECIFICATIONS	CFMES3160
OUTPUT POWER	160 W
FREQUENCY RESPONSE	50 ÷ 18.000 Hz (± 3 dB)
DISTORTION (THD+N)	< 0.3% @ 1 kHz
SPEAKER OUTPUTS	100 V, 70 V, 4 Ω
AUXILIARY OUTPUTS	600 Ω, -1 dBu (690 mV)
SIGNAL TO NOISE RATIO	> 65 dB (INPUT 1-4); > 75 dB (AUX IN); > 85 dB (MAIN IN)
INPUT SENSITIVITY	(MIC) -58 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -11 ÷ +10 dBu (0.2 ÷ 2.5 V)
INPUT IMPEDANCE	(MIC) 10 KΩ; (AUX) 20 KΩ (MIC) 10 kΩ; (MIC PHANTOM) 6.5 kΩ; (LINE): 10 kΩ; (AUX): 20 kΩ
SUPPLY VOLTAGE	220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING
POWER CONSUMPTION	350 W
INPUT CONNECTORS	1 x XLR, 2 x RJ 45, 4 x TERMINAL, 2 x RCA stereo
OUTPUT CONNECTORS	4 x RCA (MUSIC ON HOLD, PRE-OUT, INTERNAL PROGRAM), SCREW TERMINALS FOR CONSTANT VOLTAGE LINES

CFMBM3001

MICROPHONE CONSOLE

Dedicated microphone console with Cat5 connection cable and RJ45 connector.

CFMAR3000

RACK SUPPORT

Rack mounting support, 3U.

CFMES3080

AUDIO SOURCE

- Audio source with 80W power amplifier.
- MP3 player controlled from the front panel.
- MP3 inputs: USB flash, SD card, AUX jack 3.5mm.
- Bluetooth connection with external devices
- 2 universal inputs on removable screw-terminals and 1 AUX input.
- Configurable priority settings, VOX facility on input 1
- Auxiliary output MUSIC ON HOLD to send the audio signal to external amplifiers or telephone switchboards.
- PRE OUT connector for additional power amplifiers.
- HI-PASS control (inputs 1 and 2)
- Auxiliary input on RCA connector and front panel are equipped with independent tone controls (bass and treble) and gain.
- Status LEDs on the front panel (ON, PROT) giving a complete feedback on amplifier and power supply status.
- LEDs on the front panel (PRIOR) indicating the priority circuit activity and the audio signal level (SIG/PK).
- Integrated alert sound generator configurable as single or double tone.
- Rack mount kit for 2 units amplifiers included

SPECIFICATIONS	CFMES3080
OUTPUT POWER	80 W
FREQUENCY RESPONSE	50 - 18.000 Hz (± 3 dB)
DISTORTION (THD+N)	< 0,3% @ 1 kHz
SPEAKER OUTPUTS	100 V, 70 V, 4 Ω
SIGNAL TO NOISE RATIO	> 60 dB (INPUTS 1-2); > 80 dB (AUX IN)
INPUT SENSITIVITY	(MIC) -62 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -18 ÷ +20 dBu (0.1 ÷ 7 V)
INPUT IMPEDANCE	(MIC) 10 kΩ; (MIC PHANTOM) 10 kΩ; (AUX) 20 KΩ
SUPPLY VOLTAGE	220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING / 80 W
INPUT CONNECTORS	1 x XLR, 1 x RJ 45 FOR CFMBM3001, 2 x TERMINAL, 1 x RCA

CFMAM2080

INTEGRATED AMPLIFIER

- 80 W mixer-amplifier, with 2 mic-line audio inputs on removable connectors and 2 aux inputs for music sources
- Input 1 also has an XLR XLR socket
- The input 1 has a signal detection circuit ('VOX') providing automatic priority operation
- Inputs 1 and 2 can access the priority through an external command
- The inputs 2 also has an RJ 45 port for quick connection of an CFMBM3001 paging microphone (through CAT5 cable)
- The 2 mic-line inputs have a high-pass filter that are useful to improve speech intelligibility
- 2 Aux inputs with tone controls, selectable on the front panel
- A 'MUSIC ON HOLD' aux output allows to send the music to additional amplifiers, mixers, phone systems
- A 'PRE OUT' aux output to send the signal to additional amplifiers
- Digital Chime built-in generator
- The amplifier output is available either for low impedance loudspeakers (min. 4 Ω) or 100 - 70 V constant voltage line (for loudspeakers having 100 - 70 V transformers)
- Front panel LEDs indicate the device state (ON, PROT), priority circuit enabled (PRIOR) and the signal level / peak (SIG/PK)

SPECIFICATIONS	CFMAM2080
OUTPUT POWER	80 W
FREQUENCY RESPONSE	50 - 18.000 Hz (± 3 dB)
DISTORTION (THD+N)	< 0,3% @ 1 kHz
SPEAKER OUTPUTS	100 V, 70 V, 4 Ω
SIGNAL TO NOISE RATIO	> 60 dB (INPUTS 1-2); > 80 dB (AUX IN)
INPUT SENSITIVITY	(MIC) -62 dBu (1 mV); (MIC PHANTOM) -28 dBu (30 mV); (AUX) -18 ÷ +20 dBu (0.1 ÷ 7 V)
INPUT IMPEDANCE	(MIC) 10 kΩ; (MIC PHANTOM) 10 kΩ; (AUX) 20 KΩ
SUPPLY VOLTAGE	220 ÷ 240 V / 110 ÷ 120 V (50 / 60 Hz) INTERNAL SETTING
INPUT CONNECTORS	1 x XLR, 1 x RJ 45, 2 x TERMINAL, 2 x DOUBLE RCA (AUX)

CFMAM2160
CFMAM2320

INTEGRATED AMPLIFIERS

- 160/320W 4-input Mixer-Amplifier
- Input 1 on XLR
- VOX facility on input 1
- Priority activation through dry contact on all 4 inputs
- RJ45 connectors on input 2 and 3 for connection to CFMBM3001 microphone
- Presence Control and per-channel High-Pass filters
- 2 Aux inputs with tone controls, selectable with two keys on the front panel
- Music On Hold and PRE outputs
- Digital Chime and Siren built-in generator
- 24V/0.5A priority relay output
- Status / Priority / Audio Level LED indications

REAR VIEW

5000 g
6000 g
mm

SPECIFICATIONS	CFMAM2160 - CFMAM2320
OUTPUT POWER	160 W (AM 2160) - 320 W (AM 2320)
FREQUENCY RESPONSE	50 Hz ÷ 18.000 kHz
DISTORTION (THD+N)	< 0.3% @ 1 kHz
SPEAKER OUTPUTS	100 V, 70 V, 4 Ω
AUXILIARY OUTPUTS	600 Ω, - 1 dBu (690 mV)
SIGNAL TO NOISE RATIO	> 60 dB (INPUTS 1-4); > 80 dB (AUX IN)
INPUT SENSITIVITY	(MIC) -58 dBu (1 mV); (MIC PHANTOM) -21 dBu (70 mV); (LINE) 0 dBu (775 mV); (AUX) –6 ÷ +13 dBu (0.39 ÷ 3.5 V)
INPUT IMPEDANCE	(MIC) 10 kΩ; (MIC PHANTOM) 5 kΩ; (LINE): 10 kΩ; (AUX): 20 kΩ
SUPPLY VOLTAGE	230 V / 115 (50 / 60 Hz) - INTERNAL SETTING
POWER CONSUMPTION	240 W (AM 2160) - 440 W (AM 2320)
INPUT CONNECTORS	1 x XLR, 2 x RJ 45, 4 x SCREW TERMINALS, 2 x DOUBLE RCA (AUX)
OUTPUT CONNECTORS	2 x RCA (MUSIC ON HOLD, PRE-OUT), SCREW TERMINALS FOR SPEAKERS

CFMBM3001

MICROPHONE CONSOLE

Dedicated microphone console with Cat5 connection cable and RJ45 connector.

CFMUP2161
CFMUP2321

POWER AMPLIFIERS

- Versatile amplifier for music and announcements
- Three different models with same features but different power: UP 2161 - 160 W; UP 2321 - 320 W
- Main input with selectable phantom power on removable connector XLR or RJ45 (for a quick connection with CFMBM3001 through CAT5FTP cable
- AUX input for audio sources (CD players, radios, etc.) through RCA connector
- Tone controllers and gain on AUX input
- Main input with priority option on the auxiliary one
- Main input with presence control and high-pass filter to enhance voice intelligibility
- Available output for low impedance speakers (4 Ohm min) or for constant voltage 100 - 70 V
- LED indicators on the front panel to monitor the amp status (ON, PROT, OVERLOAD) the selected priority (PRIOR) and signal level (SIG / PK)
- Rack mount kit for 2U amps included

REAR VIEW

4500 g
5500 g
mm

SPECIFICATIONS	CFMUP2161 - CFMUP2321
OUTPUT POWER	160 W (CFMUP2161) - 320 W (CFMUP2321)
FREQUENCY RESPONSE	50 Hz ÷ 18.000 kHz
DISTORTION (THD+N)	< 0.3% @ 1 kHz
SPEAKER OUTPUT	100 V, 70 V, 4 Ω
SIGNAL/NOISE RATIO	> 60 dB (INPUTS 1-4); > 80 dB (AUX IN)
INPUT SENSITIVITY	(MIC) -58 dBu (1 mV); (MIC PHANTOM) -21 dBu (70 mV); (LINE) 0 dBu (775 mV); (AUX) - 6 ÷ +13 dBu (0.39 ÷ 3.5 V)
INPUT IMPEDANCE	(MIC) 10 kΩ; (MIC PHANTOM) 5 kΩ; (LINE): 10 kΩ; (AUX): 20 kΩ
POWER SUPPLY	230 V / 115 (50 / 60 Hz) - INTERNAL SETTING
ABSORBED POWER	240 W (CFMUP2161) - 440 W (CFMUP2321)
INPUT CONNECTORS	1 x XLR, 1 x RJ 45, 1 x SCREW TERMINALS, 1 x DOUBLE RCA (AUX)
OUTPUT CONNECTORS	SCREW TERMINALS

CFMBM3001

MICROPHONE CONSOLE

BM 3001 microphone console with CAT5 cable and RJ 45 connectors.

CFMUP2082
CFMUP2162

POWER AMPLIFIERS

- CFMUP2082 and CFMUP2162 are devices with 2 separated and independent amplifiers, each one with an 80 W (CFMUP2082) or 160 W (CFMUP2162) power.
- Each amplifier features 2 audio inputs to "line" level, one of these with priority function
- Each amplifier has its own volume and tone controls
- Light indicators for the system status (ON), protection (PROT), priority circuit activation (PRIOR) and peak/audio signal level (SIG/PK) of the corresponding amplifier
- Two outputs for each amplifier, available to low impeance (4 Ω) or constant voltage 100 – 70 V
- 19" rack mount kit

REAR VIEW

3800 g
7000 g
mm

SPECIFICATIONS	CFMUP2082	CFMUP2162
OUTPUT POWERS	2 x 80 W	2 x 160 W
FREQUENCY RESPONSE	50 - 16.000 Hz (± 3 dB)	50 - 16.000 Hz (± 3 dB)
DISTORTION (THD+N)	< 0,3% @ 1 kHz	< 0,3% @ 1 kHz
SPEAKER OUTPUTS	100 V, 70 V, 4 Ω	100 V, 70 V, 4 Ω
AUXILIARY OUTPUTS	600 Ω, -1 dBu (690 mV)	600 Ω, -1 dBu (690 mV)
SIGNAL/NOISE RATIO	> 80 dB	> 80 dB
INPUT SENSITIVITY	IN 1: –12 dBu, IN 2: –32 ÷ –12 dBu	IN 1: –12 dBu, IN 2: –32 ÷ –12 dBu
INPUT IMPEDANCE	IN 1: 20 kΩ, IN 2: 20 kΩ (stereo: 10 kΩ)	IN 1: 20 kΩ, IN 2: 20 kΩ (stereo: 10 kΩ)
POWER SUPPLY	115-230V (internal setting) / 50-60 Hz	115-230V (internal setting) / 50-60 Hz
ABSORBED POWER	350 W	700 W
INPUT CONNECTORS	2 x SCREW TERMINALS	2 x SCREW TERMINALS
OUTPUT CONNECTORS	REMOVABLE SCREW TERMINALS	REMOVABLE SCREW TERMINALS

CFMUP8501
CFMUP8502

DIGITAL POWER AMPLIFIER

- Class D amplifier and double switching AC-DC power supply, transformer-less galvanic insulated speaker output
- Pro audio performance
- Selectable 70 – 100 V output per channel
- Double input per channel
- Active full protections on amplifier and power supply

Stand-by, priority and fault remote commands

Activity and status indicators

Volume knobs on front panel with disablement facility

Light-weight 1 U 19" rack enclosure

REAR VIEW

CFMUP8501

1124 g

mm

CFMUP8502

1168 g

mm

SPECIFICATIONS	CFMUP8501		CFMUP8502
NO. CHANNELS X OUTPUT POWER (RMS)	1 X 500 W		2 X 250 W
FREQUENCY RESPONSE	40 HZ ÷ 16 kHz		
BAND-PASS FILTER (12 DB / OCT)	200 HZ ÷ 8 kHz		
THD AND NOISE (AT MAX. POWER)	MAX. 0.3%		
SIGNAL / NOISE RATIO (IEC-A)	86 DB		
INPUT 1 SENSITIVITY	0 dBu (775 mV, max. 7 V)		
INPUT 2 SENSITIVITY	0 ÷ –20 dBu (775 ÷ 78 mV, max. 7 V)		
IN TEST SENSITIVITY	0 dBu (775 mV)		
INPUT IMPEDANCE	10 kΩ		
MINIMUM LOAD IMPEDANCE OF EACH 70 V LINE	10 Ω		20 Ω
MINIMUM LOAD IMPEDANCE OF EACH 100 V LINE	20 Ω		40 Ω
OVER SIGNAL LIMITER	20 dB		
OPERATING VOLTAGE	Da rete: 115 – 230V c.a. ±10%, 50 – 60 Hz (internal voltage selector) Batteries: 48 V c.c. ±10%		
POWER CONSUMPTION, AC STAND-BY	3 W		
POWER CONSUMPTION, DISABLED AMP.	13 W	15 W	20 W
POWER CONSUMPTION, NO INPUT SIGNAL	25 W	36 W	50 W
POWER CONSUMPTION, MUSICAL SIGNAL	160 W		
POWER CONSUMPTION, MAX. OUTPUT POWER	650 W		
POWER CONSUMPTION, MAX. OVERLOAD	800 W		
OPERATING TEMPERATURE	0 ÷ 55 °C; Humidity: max 90%		
DIMENSIONS (W, H, D)	482 mm, 44 mm, 375 mm (1 rack unit 19")		
NET WEIGHT	5.1 KG		5.3 KG

CFMUP8504

DIGITAL POWER AMPLIFIER

- Class D amplifier and double switching AC-DC power supply, transformer-less galvanic insulated speaker output
- Pro audio performance
- Selectable 70 – 100 V output per channel
- Double input per channel
- Active full protections on amplifier and power supply
- Stand-by, priority and fault remote commands
- Activity and status indicators
- Volume knobs on front panel with disablement facility
- Light-weight 1 U 19" rack enclosure

REAR VIEW

1212 g

mm

SPECIFICATIONS	CFMUP8504
NO. CHANNELS X OUTPUT POWER (RMS)	4 X 125 W
FREQUENCY RESPONSE	40 HZ ÷ 16 kHz
BAND-PASS FILTER (12 DB / OCT)	200 HZ ÷ 8 kHz
THD AND NOISE (AT MAX. POWER)	MAX. 0.3%
SIGNAL / NOISE RATIO (IEC-A)	86 DB
INPUT 1 SENSITIVITY	0 dBu (775 mV, max. 7 V)
INPUT 2 SENSITIVITY	0 ÷ –20 dBu (775 ÷ 78 mV, max. 7 V)
IN TEST SENSITIVITY	0 dBu (775 mV)
INPUT IMPEDANCE	10 kΩ
MINIMUM LOAD IMPEDANCE OF EACH 70 V LINE	40 Ω
MINIMUM LOAD IMPEDANCE OF EACH 100 V LINE	80 Ω
OVER SIGNAL LIMITER	overload, short circuit, overheating
OPERATING VOLTAGE	Da rete: 115 – 230V c.a. ±10%, 50 – 60 Hz (internal voltage selector) Batteries: 48 V c.c. ±10%
POWER CONSUMPTION, AC STAND-BY	3 W
POWER CONSUMPTION, DISABLED AMP.	20 W
POWER CONSUMPTION, NO INPUT SIGNAL	50 W
POWER CONSUMPTION, MUSICAL SIGNAL	160 W
POWER CONSUMPTION, MAX. OUTPUT POWER	650 W
POWER CONSUMPTION, MAX. OVERLOAD	800 W
OPERATING TEMPERATURE	0 ÷ 55 °C; Humidity: max 90%
DIMENSIONS (W, H, D)	482 mm, 44 mm, 375 mm (1 rack unit 19")
NET WEIGHT	5.5 KG

CFMUP1121

INTEGRATED AMPLIFIER

- 120 W power amplifier
- Single balanced 'line' level audio input (terminal strip)
- Amplifier output to loudspeakers, available as 100 / 70 V constant voltage line and Low impedance (min. 4 Ω)
- Input for the secondary 24 V dc power supply (batteries)
- MASTER volume control with screw
- BASS and TREBLE tone screw control (centre position is flat response)
- Main POWER switch
- LEDs indicating the audio signal level
- Main connector with fuse

SPECIFICATIONS	CFMUP1121
TYPE	STEREO AMPLIFIER
FREQUENCY RESPONSE	60÷15.000 Hz
POWER CONSUMPTION	120 W
ABSORBED POWER	120 W RMS
INPUT SENSITIVITY	LINE: 1 V (+ 2 dBu)
INPUT IMPEDANCE	10 KΩ (balanced)

CFMAM1125

MIXER AMPLIFIER

CFMAM1064

MIXER AMPLIFIER

- 120 W 4-inputs Mixer-Amplifier AM 1125
- 60 W 3-inputs Mixer-Amplifier AM 1064
- 4 XLR input AM 1125 / 3XLR input AM 1064
- VOX facility and Phantom power supply on input 1
- Audio input 3 also with dual RCA connector
- Aux input on dual RCA connector
- DUCKING Control to adjust the Aux in level
- Audio output (with RCA connector) that sends the same signal routed to the internal amplifier
- Audio input (with RCA connector) to connect an external device directly to the internal power amplifier
- AM 1125 Input for the secondary 24 V dc power supply (batteries)
- Amplifier output to loudspeakers, available as 100 / 70 V constant voltage line and Low impedance (min. 4 Ω)

SPECIFICATIONS	CFMAM1125	CFMAM1064
TYPE	STEREO AMPLIFIER	
FREQUENCY RESPONSE	50÷15.000 Hz	
MAX CONSUMPTION	170 W	350 W
MAX. OUTPUT POWER	120 W RMS	60 W RMS
INPUT SENSITIVITY	MIC: 1.5 mV (– 54 dBu) dBu | LINE & AUX: 200 mV (– 12 dBu) dBu	
INPUT CONNECTORS	XLR or Dual RCA	
OUTPUT CONNECTORS	Dual RCA	

CFMAM6020

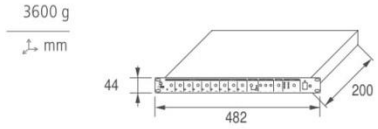
MOBILE AMPLIFIER

- 2 unbalanced AUX stereo inputs on DIN connector
- 1 balanced microphone input on DIN connector, 1 balanced microphone input on XLR connector
- Circuit for automatic attenuation of music in the presence of announcements
- One-tone signal generator 600 Hz (siren)
- Protection against overload and short circuits
- Power supply 12 Vdc or 24 Vdc selectable

SPECIFICATIONS	CFMAM6020
TYPE	STEREO AMPLIFIER
FREQUENCY RESPONSE	150÷6.000 Hz (mic) 20÷15.000 Hz (aux)
CONSUMPTION	80 W (24 V cc) - 40 W (12 V cc)
NOMINAL POWER	20+20 W (24 V cc) - 10+10 W (12 V cc)
INPUT SENSITIVITY	50 mV ÷ 5 V RMS
CONNECTORS	DIN o XLR / 0,7 mV – 2 KOhm (mic), e DIN (aux) / 150 mV – 22 KOhm

CFMPR4093

PRE-AMPLIFIER 9 INPUT 2 OUTPUT



- MP3 stereo player/recorder
- Supports SD cards and USB flash drives
- 32 GB Maximum supported memory
- Can play/record one file at a time
- A sequence of 64 file can be programmed
- Fixed MP3 recording format: 192 kbps
- 1 AUX INPUT with parallel AUX OUTPUT
- Disabled front buttons
- IR remote control included

SPECIFICATIONS	CFMPR4093
FREQUENCY RESPONSE	20 ÷ 22.000 Hz
DISTORTION (THD+N)	≤ 0.03% at 1 kHz
TONE CONTROLS	BASSI: 100 Hz ± 10 dB; ALTI: 10 kHz ± 10 dB
SENSIBILITY	–40 dBu (MIC) / 0 dBu (LINE)
MAX. INPUT LEVEL	–19 dBu (MIC) / +21 dBu (LINE)
INPUT IMPEDANCE	2 kΩ (MIC) / 19,5 kΩ (LINE)
LOW:	±15 dB a 80 Hz
MID:	±12 dB a 2,5 kHz
HIGH:	±15 dB a 8 kHz
STEREO INPUT	< –68 dB
INPUT TO OUPUT:	< –76 dB a 1 kHz

FLUSH MOUNTED AND WALL SPEAKERS

The best solutions for wall or flush installations in false ceiling or panels.

MODEL	CFMPL40	CFMPL50	CFMPL60	CFMPL6X	CFMPL8X	CFVPL60FD
TYPE	Ceiling speaker	Ceiling speaker	Ceiling speaker	Ceiling speaker	Ceiling speaker	Ceiling speaker
INSTALLATION	Flush mounted	Flush mounted	Flush mounted	Flush mounted	Flush mounted	Flush mounted
COLOR	White	White	White	White	White	White
SPEAKER	3.5"	6"	6" dual-cone	6" + 1"	8" + 1"	6" dual-cone
POWER NOM. / PROGRAM	8 W RMS / 16 W	3 W RMS– 6 W	6 W RMS / 12 W	12 W RMS / 24 W	20 W RMS / 40 W	6 W RMS / 10 W
INPUT	100 V, 70 V	100 V	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V, 70 V
FREQUENCY RESPONSE	90 ÷ 20.000 Hz	100 Hz ÷ 20 kHz	110 ÷ 20.000 Hz	70 ÷ 20.000 Hz	60 ÷ 20.000 Hz	150 ÷ 15.000 Hz
MAX. SOUND PRESSURE	100 dB	98 dB	102 dB	106 dB	109 dB	105 dB
ANGLE OF COVERAGE	120°	150°	150°	100°	80°	150°
PROTECTION	IP 44	IP 40	IP 40	IP 44	IP 44	IP 40

MODEL	CFVPL70EN	CFVPL68EN	CFMHS1026	CFMPLF30	CFMBS8	CFMBS2620	CFVBS5EN
TYPE	Ceiling speaker	Ceiling speaker	Ceiling speaker	Ceiling speaker	Spherical	Spherical	Suspension
INSTALLATION	Flush mounted	Flush mounted	Flush mounted	Flush mounted	Suspended	Suspended	Suspended
COLOR	White	White	White / Gold / Chrome	White (paintable)	White	White	White
SPEAKER	6" dual-cone	6" dual-cone	2,5"	3"	8"	6" dual-cone	5" coaxial
POWER NOM. / PROGRAM	6 W RMS / 12 W	6 W RMS / 12 W	6 W RMS / 12 W	12 – 6 W	20 W RMS / 40 W	20 W RMS / 40 W	20-10-5-2,5 / 40 W
INPUT	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V	100 V	100 V	100 V
FREQUENCY RESPONSE	120 ÷ 14.000 Hz	130 ÷ 14.000 Hz	220 ÷ 17.000 Hz	150 Hz ÷ 7 kHz	160 ÷ 12.500 Hz	20 ÷ 20.000 Hz	150 ÷ 18.000 Hz
MAX. SOUND PRESSURE	109 dB	102 dB	102 dB	99 dB	106 dB	106 dB	99 dB (20 W, 1 m), 87 dB (20 W, 4 m) dB
ANGLE OF COVERAGE	150°	140°	170°	170°	140°	150°	160°
PROTECTION	IP 40	IP 40	IP 40	IP 40	IP 40	IP 55	IP 65

MODEL	CFMDM41	CFMDM61	CFVDU50EN	CFMDU100X	CFMWS620XT
TYPE	Compact two-way	Compact two-way	Universal	Universal	Universal two-way
INSTALLATION	Wall	Wall	Wall or flush mounted	Wall or flush mounted	Flush-mounted
COLOR	White Ivory	White Ivory	White	White	White
SPEAKER	3.5" + 1"	6" + 1"	4,5"	4"+ 1"	6" + 1"
POWER NOM. / PROGRAM	15 W RMS / 30 W	25 W RMS / 50 W	6 W RMS / 12 W	10 W RMS / 20 W	12 W RMS / 24 W
INPUT	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V, 70 V, 25 V	100 V, 70 V, 4 Ω
FREQUENCY RESPONSE	100 ÷ 20.000 Hz	70 ÷ 20.000 Hz	200 ÷ 12.000 Hz	100 ÷ 18.000 Hz	70 ÷ 20.000 Hz
MAX. SOUND PRESSURE	102 dB	106 dB	102 dB	103 dB	105 dB
ANGLE OF COVERAGE	180° (Horiz) 170° (Ver)	120° (Horiz) 140° (Ver)	150°	100° (Horiz) 140° (Ver)	120°
PROTECTION	IP 55	IP 55	IP 40	IP 40	IP 55

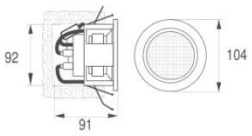
MODEL	CFMDU31	CFMDU31AT	CFMELISA50
TYPE	Universal two-way	Universal two-way	Universal
INSTALLATION	Wall or Flush-mounted	Wall or Flush-mounted	Flush-mounted
COLOR	White Ivory	White Ivory	White
SPEAKER	3.5" + 0.85"	3.5" + 0.85"	3.5"
POWER NOM. / PROGRAM	8 - 4 - 2 W (100 V) - 8 W (25 V)	8 - 4 - 2 - 1 - 0,5 W (100 V) - 8 W (25 V)	6 W RMS / 12 W
INPUT	100 V, 70 V, 25 V	100 V, 70 V, 25 V	100 V, 70 V, 25 V, 4 Ω
FREQUENCY RESPONSE	100 ÷ 17.000 Hz	100 ÷ 17.000 Hz	120 ÷ 16.000 Hz
MAX. SOUND PRESSURE	91 dB	91 dB	99 dB
ANGLE OF COVERAGE	160°	160°	160°
PROTECTION	IP 40	IP 40	IP 40

CFMHS1026W

SPOTLIGHT CEILING SPEAKER

550 g

mm



- For paging and background music
- High-pass filter for use with optional subwoofer
- Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Ease of installation in standard holes used for lightspots

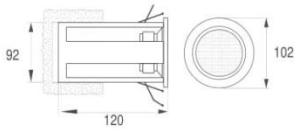
SPECIFICATIONS	CFMHS1026W
POWER	6 - 3 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	220 ÷ 17.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	89 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	170°

CFMPLF30

PAINTABLE FLUSH MOUNTING CEILING SPEAKER

900 g

mm



- Particularly suitable for business music applications
- Extra-wide dispersion over 160°
- 3" wide-range transducer with flat diaphragm
- Sound Pressure Level: 83 dB @ 1W/1m | For 100/70V constant voltage connection
- Built-in multi-tapped transformer | Body in self-extinguishing plastic
- Front paintable flat cone in white, Clips or Spring-type mounting systems provided

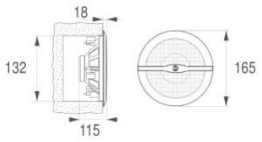
SPECIFICATIONS	CFMPLF30
POWER	12 - 6 W
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	150 ÷ 7.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB
MAXIMUM SOUND PRESSURE	99 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	170°

CFMWS620XT

TWO-WAY WEATHER RESISTANT FLUSH MOUNTING SPEAKER

1100 g

mm



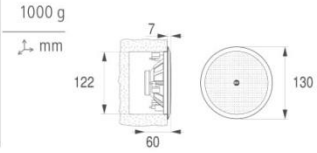
- Weather resistant splashproof speaker
- 6" woofer with coaxial tweeter
- Two way speaker system with coaxial tweeter, recommended for hi level speech and background-music reproduction
- Body and grille in plastic RAL 9016 White | IP 55 protection

SPECIFICATIONS	CFMWS620XT
POWER	12 - 6 - 3 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	70 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	91 dB
MAXIMUM SOUND PRESSURE	105 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120°

EASYLINE SOLUTIONS

CFMPL40

CEILING SPEAKER

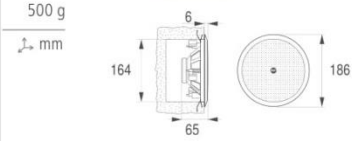


- For speech and background-music reproduction
- Low impedance (8Ω) or 100V
- 3.5" full range speaker
- Three hooks mounting system (no screws or other attachment elements)
- Body in self-extinguishing (UL 94V-0) plastic and front metal grille RAL 9003 White
- IP 44 protection

SPECIFICATIONS	CFMPL40
POWER	8 - 6 - 4 - 2 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	90 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB
MAXIMUM SOUND PRESSURE	100 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120°

CFMPL50

FULL RANGE FLUSH MOUNTING CEILING SPEAKER

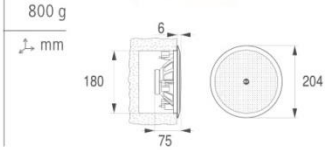


- Suitable for paging and background music applications
- 6" wide band loudspeaker
- Sound pressure level at music power: 91 dB @ 1W/1m
- Built-in multi-tap line transformer, 100V and 70V constant voltage connection
- Body in self-extinguishing plastic, white colour
- Spring-type mounting system

SPECIFICATIONS	CFMPL50
POWER	6 – 3 W
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	100 Hz ÷ 20 kHz (± 3 dB)
SENSITIVITY (1 m / 1 W)	90 dB
MAXIMUM SOUND PRESSURE	98 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	150°

CFMPL60

HIGH EFFICIENCY CEILING SPEAKER



- For paging and background music
- 6" dual cone wide band loudspeaker
- Sound pressure level at music power: 102 dB/1 m
- Low impedance (4Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Body in self-extinguishing plastic UL-94-V0 and front metal grille RAL 9010 White
- Optional accessory: CFMA1360 base for surface mount installation

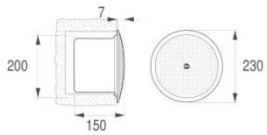
SPECIFICATIONS	CFMPL60
POWER	6 - 3 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	110 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	91 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	150°

CFVPL60FD

CEILING SPEAKER WITH FIRE DOME

2800 g

mm



- Especially suitable for alarm/evac applications
- 6" dual cone wide band loudspeaker
- Sound pressure level at music power: 105 dB/1 m
- Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Metal back cover, RAL 3020 red
- Ceramic termination blocks, thermal fuse, fire resistant cable
- Front metal grille RAL 9010 White

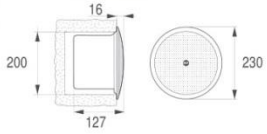
SPECIFICATIONS	CFVPL60FD
POWER	6 - 3 - 1,5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	150 ÷ 15.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	94 dB
MAXIMUM SOUND PRESSURE	105 dB (1 m / MAX POWER)
ANGLE OF COVERAGE	150°

CFVPL70EN

CEILING SPEAKER WITH FIRE DOME

2000 g

mm



- Speaker for transmitting voice alarm messages with high intelligibility and background music
- 6" diameter dual cone wide band loudspeaker
- Low impedance (8Ω) or 100V
- Steel protection Fire Dome, terminal strip in ceramic material for connecting flame proof input and output cables, thermal fuse, suitable internal wiring
- Conforms to EN 54-24 regulations
- Structure, front grille, and protection cap in steel, RAL 9003 White

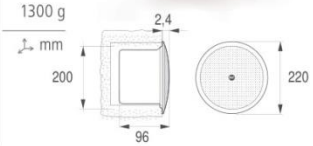
SPECIFICATIONS	CFVPL70EN
POWER	6 - 3 - 1.5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	120 ÷ 14.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	95 dB
MAXIMUM SOUND PRESSURE	109 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	150°

CFVPL68EN

CEILING SPEAKER FIRE DOME

1300 g

mm

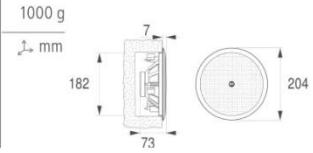


- Flame proof steel bottom designed and steel protection grille
- Speaker for transmitting alarm voice messages with high intelligibility and background music
- 6" diameter dual cone wide band loudspeaker
- Steel protection Fire Dome, terminal strip in ceramic material for connecting flame proof input and output cables, thermal fuse, suitable internal wiring
- Conforms to EN 54-24 regulations
- Structure, front grille, and protection cap in steel, RAL 9003 White

SPECIFICATIONS	CFVPL68EN
SELECTABLE POWER	6 - 3 - 1,5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	130 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	94 dB
MAX SPL	105 dB (1 m / POTENZA MAX)
COVERAGE ANGLE	140°

CFMPL6X

COAXIAL CEILING SPEAKER

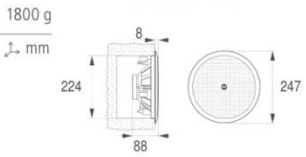


- Two way speaker system with dome tweeter recommended for speech and background-music reproduction
- 6" woofer with coaxial tweeter
- Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Three hooks mounting system (no screws or other attachment elements)
- Body in self-extinguishing (UL 94V-0) plastic and front metal grille RAL 9003 White

SPECIFICATIONS	CFMPL6X
POWER	12 - 6 - 3 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	70 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	92 dB
MAXIMUM SOUND PRESSURE	106 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	100°

CFMPL8X

COAXIAL CEILING SPEAKER



- Two way speaker system with dome tweeter for hi level speech and background-music
- 8" woofer with coaxial tweeter | Low impedance (8Ω) or 100V
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Body in self-extinguishing plastic (UL 94V-0) and front metal grille RAL 9003 White

SPECIFICATIONS	CFMPL8X
POWER	20 - 10 - 5 - 2.5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	60 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	93 dB
MAXIMUM SOUND PRESSURE	109 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	80°

CFMAC50B

FLUSH MOUNT BOX

- Flush mount box for CFMELISA50 speaker
- Dimensions. 152x97x70 mm

CFMAC1503

CERAMIC TERMINAL WITH THERMAL FUSE ACCESSORY

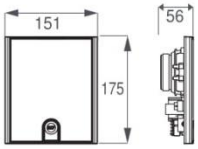
- Accessory with ceramic terminal and a thermal fuse to connect a loudspeaker in sound systems for emergency purposes

CFMDU31

FLUSH MOUNT WALL SPEAKER

600 g

mm



- For paging and background music for several type of installation
- 2 way wall speaker with flexible design with wide band 3,5" woofer and 1" tweeter
- Includes a transformer for the connection to (100 - 70 - 25 V) constant voltage lines
- Power selector 8 W, 4 W, 2W at 100 V and a 25 V (8W) socket
- Universal wall mounting on standard European flush mounting boxes.
- Body in plastic, RAL 9002 White Ivory

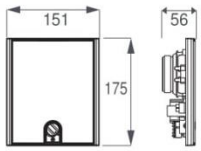
SPECIFICATIONS	CFMDU31
POWER	8 - 4 -2 W (100 V) - 8 W (25 V)
CONSTANT VOLTAGE	100 V, 70 V, 25 V
FREQUENCY RESPONSE	100 - 17.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	82 dB
MAXIMUM SOUND PRESSURE	91 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	160°

CFMDU31AT

FLUSH MOUNT WALL SPEAKER WITH POWER SELECTOR

600 g

mm



- For paging and background music for several type of installation
- 2 way wall speaker with flexible design with wide band 3,5" woofer and 1" tweeter
- Wattage taps (8 W, 4 W, 2W, 1W, 0,5W at 100 V) is selectable by means of a Rotary switch, accessible from the front panel
- Includes a transformer for the connection to (100 - 70 - 25 V) constant voltage lines and a 25 V socket makes it possible to connect multiple speakers in parallel to a constant impedance line
- Universal mounting in wall on the standard European flush mounting box (like Gewiss GW 48005 dimension 160(L) x 130(H) x 70(P) or B-Ticino 16205 - 170(L) x 145(H) x 70(P))
- Body in plastic, RAL 9002 White Ivory

SPECIFICATIONS	CFMDU31AT
POWER	8 - 4 -2 - 1- 0,5 W (100 V) - 8 W (25 V)
CONSTANT VOLTAGE	100 V, 70 V, 25 V
FREQUENCY RESPONSE	100 - 17.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	82 dB
MAXIMUM SOUND PRESSURE	91 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	160°

CFMA1331

SURFACE MOUNT FOR CFMDU31 / CFMDU31AT

- Quickly and easily installed on any flat surface
- Body in plastic, RAL 9002 White Ivory

CFMDU31AT Table mounting support with tilt 15°

CFMDU31 and CFMA1331 wall mounting support with tilt 0°

CFMDU31 and CFMA1331 wall mounting support with tilt 15°

CFMDU31 and CFMA1331 flag mount support unidirectional

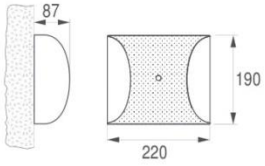
2 x CFMDU31 and 2 x CFMA1331 flag mount support bi-directional

CFMDU100X

COAXIAL SPEAKER

1100 g

mm



- Ideal for paging and background music, wall or ceiling installation
- Dual-cone extended range loudspeaker, 4" diameter
- Plastic body with shock-proof metal grid
- Built-in multi-tapped transformer for 100/70V constant voltage connection
- Body in ABS and metal grille RAL 9003 White

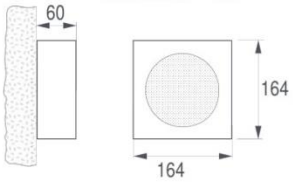
SPECIFICATIONS	CFMDU100X
POWER	10 - 5 - 2.5 - 1.25 - 0.75 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V, 25 V
FREQUENCY RESPONSE	100 ÷ 18.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	93 dB
MAXIMUM SOUND PRESSURE	103 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	100° (HORIZ.); 140° (VERT.)

CFVDU50EN

UNIVERSAL STEEL SPEAKER

1100 g

mm



- Speaker designed for transmitting alarm messages with high intelligibility, and background music
- Wide-band dual cone loudspeaker, diameter 5"
- Extra-thick steel housing, terminal strip for connections made of ceramic material for flameproof input and output cables, thermal fuse, suitable internal wiring
- In compliance with norm EN 54-24
- Colour: RAL 9010 White

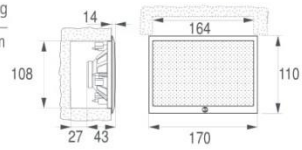
SPECIFICATIONS	CFMDU50EN
POWER	6-3-1,5-0,75 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	200 ÷ 12.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	91 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	150°

CFMELISA50

COMPACT HI-DEFINITION FLUSH MOUNT WALL SPEAKER

900 g

mm

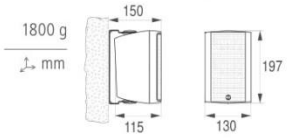


- For high quality paging and background music
- Music power/RMS: 12/6W (20/10W in use without transformer, 4Ω)
- 3.5" extended range speaker with central equaliser, carbon fibre cone
- Equipped with multi-tapped transformer for 100/70/25V constant voltage connection
- Flush mount box with soundproof material included
- Front frame in ABS and metal grille RAL 9010 White

SPECIFICATIONS	CFMELISA50
POWER	6-3-1 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V, 25 V, 4 Ω
FREQUENCY RESPONSE	120 ÷ 16.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB
MAXIMUM SOUND PRESSURE	99 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	160°

CFMDM41
CFMDM41B Black

COMPACT TWO-WAY SPEAKER

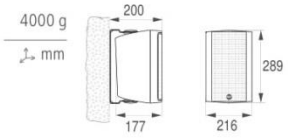


- 3.5" woofer with mylar dome 1'' tweeter
- Built-in multitap transformer for constant voltage system
- Body in self-extinguishing composite material
- IP55 protection, suitable for outdoor use
- Adjustable mounting accessory included

SPECIFICATIONS	CFMDM41
POWER	15 - 10 - 5 - 2.5 W (100 V) SELEC.
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	100 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	87 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ.); 170° (VERT.)

CFMDM61

COMPACT TWO-WAY SPEAKER

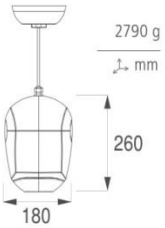


- Woofer 6" with mylar dome tweeter
- Built-in multitap transformer for constant voltage system
- Body in self-extinguishing composite material
- IP55 protection, suitable for outdoor use
- Adjustable mounting accessory included

SPECIFICATIONS	CFMDM61
POWER	25 - 15 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	100 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	89 dB
MAXIMUM SOUND PRESSURE	106 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120° (HORIZ.); 140° (VERT.)

CFVBS5EN

EN54-24 COMPLIANT SUSPENDED SOUND PROJECTOR

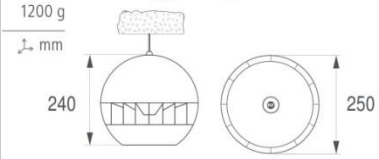


- 5'' coaxial speaker for alarm voice messages broadcasting and high quality background music.
- ABS cabinet with steel mesh grille
- It can be installed both indoors and outdoors (IP 65 protection grade)
- Equipped with transformer for 100 V (/ 70 V) constant voltage lines
- Internal power setting
- Ceramic screw terminal for connection
- Internal thermal fuse
- 5 meters cable

SPECIFICATIONS	CFVBS5EN
SELECTABLE POWER	20 - 10 - 5 - 2,5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	150 ÷ 18.000 Hz
SENSITIVITY	86 dB (1 W, 1 m), 74 dB (1 W, 4m) dB
MAX SPL	99 dB (20 W, 1 m), 87 dB (20 W, 4 m) dB
COVERAGE ANGLE	160° Horiz. - 160° Vert.

CFMBS8

PENDENT BALL SPEAKER

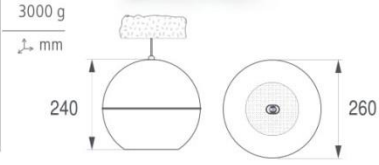


- Pendent speaker
- For paging and background music
- 8" diameter dual cone wide band speaker
- Plastic body - White RAL 9010
- Built-in transformer for 100V constant voltage connection
- 5-metre suspension and connection cable included

SPECIFICATIONS	CFMBS8
POWER	20-10-5 W (100 V)
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	160 ÷ 12.500 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	93 dB
MAXIMUM SOUND PRESSURE	106 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	360° (HORIZ.); 140° (VERT.)

CFMBS2620

HIGH PERFORMANCE PENDENT BALL SPEAKER



- Pendent speaker
- For paging and background music
- 6" diameter dual cone wide band speaker
- 5-metre suspension and connection cable included
- Weather-resistant construction (IP55) for use both indoors and outdoors
- Body in self-extinguishing plastic UL94VO, UV ray protected, RAL 9010 White

SPECIFICATIONS	CFMBS2620
POWER	20-15-10-5-2.5 W (100 V)
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	50 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	93 dB
MAXIMUM SOUND PRESSURE	106 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	360° (HORIZ.); 150° (VERT.)

SOUND PROJECTORS, MONITORS AND COLUMN SPEAKERS

Maximum speech intelligibility for every public ambience and for any kind of application.

MODEL	CFMDP4	CFMBD42	CFVDP1420EN	CFVBD2412EN	CFVDP5EN	CFVBD5EN
TYPE	Projector	Projector Bidirectional	Projector Allum.	Projector Bidir.	Projector	Projector Bidir.
INSTALLATION	Wall or Flush Mounted	Wall or Flush Mounted	Wall or Flush Mounted	Wall or Flush Mounted	Wall or Flush Mounted	Wall or Flush Mounted
COLOUR	Grey	Grey	Grey	Grey	Grey	White
SPEAKER	5"	2 x 5"	5"	2 x 5"	5"	2 x 5"
POWER NOM./PROGRAM	10 W RMS / 20 W	12 W RMS / 24 W	20 W RMS / 40 W	20 W RMS / 40 W	20 W RMS / 40 W	20 W RMS / 40 W
INPUT	100 V	100 V	100 V, 70 V,	100 V, 70 V,	100 V, 70 V,	100 V, 70 V,
FREQUENCY RESPONSE	180 ÷ 16.000 Hz	180 ÷ 16.000 Hz	150 ÷ 20.000 Hz	130 ÷ 20.000 Hz	80 ÷ 20.000 Hz	150 ÷ 18.000 Hz
MAX. SOUND PRESSURE	101 dB	102 dB	104 dB	102 dB	101 dB	99 dB
ANGLE OF COVERAGE	130°	130°°	160°	130°°	160°°	160°°
PROTECTION	IP 55	IP 55	IP 66	IP 66	IP 65	IP 65

MODEL	CFMCS3041	CFMCS3082	CFVCS6520EN	CFVCS6940EN
TYPE	Column speaker two-way	Column speaker two-way	Column speaker two-way	Column speaker two-way
INSTALLATION	Wall	Wall	Wall	Wall
COLOUR	White	White	White	White
SPEAKER	4 x 2" + 1"	8 x 2" + 2 x 1"	4 x 3.15" + 0.8"	8 x 3.15" + 0.8"
POWER NOM./ PROGRAM	15 W RMS / 30 W	30 W RMS / 60 W	20 W RMS / 40 W	40 W RMS / 80 W
INPUT	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V, 70 V
FREQUENCY RESPONSE	160 - 20.000 Hz (? 3 dB)	180 - 20.000 Hz (? 3 dB)	140 ÷ 20.000 Hz	140 ÷ 20.000 Hz
MAX. SOUND PRESSURE	105 dB (1 m / POWER MAX)	111 dB (1 m / POWER MAX)	105 dB	109 dB
ANGLE OF COVERAGE	180° (Horiz) 70° (Ver)	180° (Horiz) 50° (Ver)	180° (Horiz) 60° (Ver)	180° (Horiz) 40° (Ver)
PROTECTION	IP 40	IP 40	IP 66	IP 66

MODEL	CFMMR33T	CFMMR44T	CFMMR55	CFMMQ100L	CFMMQ90S
TYPE	Compact two-way	Compact two-way	Compact two-way	Column speaker Three-way	Subwoofer
INSTALLATION	Wall	Wall	Wall	Wall	Universal
COLOUR	White/Black	White/Black	White/Black	White/black	White/Black
SPEAKER	4.75" + 0.5"	5" + 0.5"	5" + 0.75"	2 x 3.5" + 2 x 3.5" + 0.75"	8"
POWER NOM./ PROGRAM	40 W IEC	60 W IEC	175 W IEC	80 W RMS / 160 W	60 W RMS / 120 W
INPUT	100 V, 70 V, 50 V, 25 V	100 V, 70 V, 50 V, 25 V	4 Ω	100 V, 70 V	100 V, 70 V
FREQUENCY RESPONSE	160 ÷ 20.000 Hz	150 ÷ 20.000 Hz	150 ÷ 20.000 Hz	130 ÷ 20.000 Hz	70 ÷ 220 Hz
MAX. SOUND PRESSURE	105 dB	108 dB	112 dB	120 dB	107 dB
ANGLE OF COVERAGE	110° (Horiz) 100° (Ver)	110° (Horiz) 100° (Ver)	110° (Horiz) 100° (Ver)	180° (Horiz) 60° (Ver)	-
PROTECTION	IP40	IP40	IP40	IP40	IP40

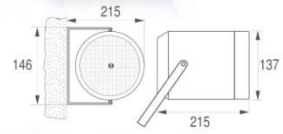
MODEL	CFMMQ50	CFMMQ60H	CFMMQ50C	CFMMQ50I	CFMMQ30P	CFMMQ80P
TYPE	Compact two-way	Compact two-way	Ceiling two-way	Compact two-way	Compact two-way	Compact two-way
INSTALLATION	Wall	Wall	Ceiling	Flush mounted	Projector	Projector
COLOUR	White/Silver/Black	White/Silver/Black	White/Silver	White/Silver	White/Silver/Black	White/Silver/Black
SPEAKER	5" + 0.75"	5" + 2 x 1"	5" + 1"	5" + 0.75"	3" + 0.75"	5" + 1"
POWER NOM./ PROGRAM	60 W RMS / 120 W	60 W RMS / 120 W	60 W RMS / 120 W	60 W RMS / 120 W	12 W RMS / 24 W	60 W RMS / 120 W
INPUT	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V, 70 V	100 V, 70 V
FREQUENCY RESPONSE	70 ÷ 20.000 Hz	100 ÷ 19.000 Hz	70 ÷ 20.000 Hz	180 ÷ 20.000 Hz	150 ÷ 20.000 Hz	100 ÷ 20.000 Hz
MAX. SOUND PRESSURE	110dB	109 dB	112 dB	108 dB	102 dB	115 dB
ANGLE OF COVERAGE	120° (Horiz) 90° (Ver)	180° (Horiz) 120° (Ver)	120°	120° (Horiz) 100° (Ver)	120°	90° (Horiz) 60° (Ver)
PROTECTION	IP40	IP40	IP40	IP40	IP40	IP 55

CFMDP4

INDOOR / OUTDOOR SOUND PROJECTOR

1300 g

mm



- Ideal for paging and background music
- 5" (130 mm) diameter extended range twin-cone loudspeaker
- Built-in multi-tapped transformer for 100 V constant voltage connection
- Equipped with aluminium "U" bracket.
- Body in ABS grey RAL 7035 with metal grill. IP55 protection, suitable for outdoor use

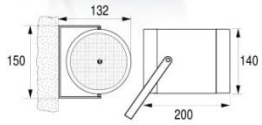
SPECIFICATIONS	CFMDP4
POWER	10 - 5 - 2.5 W (100 V)
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	180 ÷ 16.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	91 dB
MAXIMUM SOUND PRESSURE	101 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	130°

CFMBD42

INDOOR / OUTDOOR BIDIRECTIONAL SOUND PROJECTOR

1500 g

mm



- Ideal for train and underground stations, car parks, factories, warehouses, and PA systems
- Bidirectional sound projector with double loudspeaker, characterized by high acoustic performance, excellent design and compact dimensions
- 2 x 5" (130 mm) diameter extended range twin-cone loudspeaker
- Built-in multi-tapped transformer for 100 V constant voltage connection
- Equipped with aluminium "U" bracket.
- Body in ABS grey RAL 7035 with metal grill. IP55 protection, suitable for outdoor use

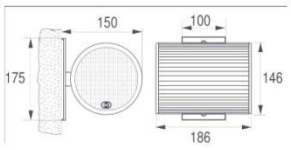
SPECIFICATIONS	CFMBD42
POWER	12 - 6 - 3 W (100 V)
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	180 ÷ 16.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	91 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	130° (per single loudspeaker)

CFVBD2412EN

ALUMINIUM BIDIRECTIONAL SOUND PROJECTOR

3200 g

mm

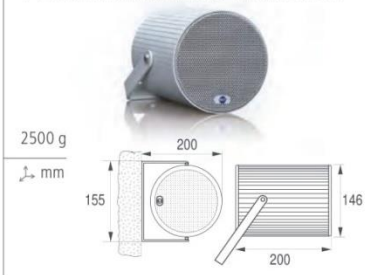


- Bidirectional sound projector with double loudspeaker, characterized by high acoustic performance, excellent design and compact dimensions
- Complying with EN 54-24 standard thanks to ceramic termination block, thermal fuse and internal fire-resistant cable
- IP 55 protection, suitable for outdoor use
- It's ideal for train stations, underground stations, car parks, factories, warehouses, and PA systems in general

SPECIFICATIONS	BD2412EN
POWER	20-5-10 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	130 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	89 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	130° (SINGLE LOUDSPEAKER)

CFVDP1420EN

ALUMINIUM SOUND PROJECTOR

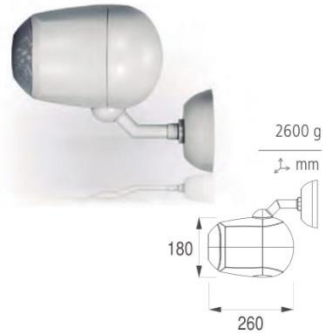


- Unidirectional sound projector characterized by high acoustic performance.
- Complying with EN 54-24 standard thanks to ceramic termination block, thermal fuse and internal fire-resistant cable
- IP 66 protection, suitable for outdoor use
- Ideal for train and underground stations, car parks, factories, warehouses, and PA systems

SPECIFICATIONS	CFVDP1420EN
POWER	20-10-5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	150 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	91 dB
MAXIMUM SOUND PRESSURE	104 dB (1 m / POWER MAX) 2
ANGLE OF COVERAGE	160°

CFVDP5EN

MONO DIRECTIONAL PROJECTOR EN54-24 COMPLIANT



- 20W rated power with a 5'' Full range transducer
- ABS UL 94Vo auto-extinguish plastic body and front grille made of steel
- IP66 protection grade, so suitable for both indoors and outdoors applications
- 4 power taps
- Orientable support bracket
- Colour white RAL 9016

SPECIFICATIONS	CFVDP5EN
SELECTABLE POWER	20 W – 10 W – 5 W – 2.5 W (100 V) W RMS
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	80 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB (1 W, 1 m), 76 dB (1 W, 4m) dB
MAXIMUM SOUND PRESSURE	101 dB (20 W, 1 m), 89 dB (20 W, 4 m) dB
ANGLE OF COVERAGE	160°

CFVBD5EN

BIDIRECTIONAL PROJECTOR EN54-24 COMPLIANT

- 20W rated power with 2x5'' Full range transducer
- ABS UL 94Vo auto-extinguish plastic body and front grille made of steel
- IP66 protection grade, so suitable for both indoors and outdoors applications
- 4 power taps
- Orientable support bracket
- Colour white RAL 9016

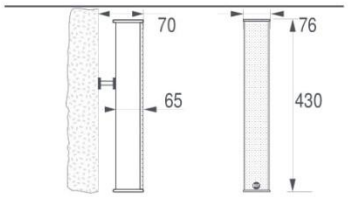
SPECIFICATIONS	CFVBD5EN
SELECTABLE POWER	20 W – 10 W – 5 W – 2.5 W (100 V) W RMS
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	150 ÷ 18.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	86 dB (1 W, 1 m), 74 dB (1 W, 4m) dB
MAXIMUM SOUND PRESSURE	99 dB (20 W, 1 m), 87 dB (20 W, 4 m) dB
ANGLE OF COVERAGE	130° in both directions

CFMCS3041

SLIM-LINE COLUMN SPEAKER

1700 g

mm



- Ideal for speech reproduction, shape designed to enable corner installation
- Four 50 mm (2") diameter extended range speakers and one tweeter 25 mm (1")
- Body in extruded aluminium bake-painted RAL 9016 White and front metal grille RAL 9016 White, includes accessory for wall mounting
- Built-in multi-tapped transformer (15 - 10 - 5 W) for 100 V constant voltage connection
- 16-ohm input that can be selected on the terminal block
- Audio connection on screw terminal block

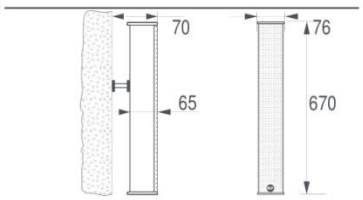
SPECIFICATIONS	CFMCS3041
POWER	20 W - 15 W - 10 W
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	160 - 20.000 Hz (? 3 dB)
SENSITIVITY (1 m / 1 W)	87 dB
MAXIMUM SOUND PRESSURE	105 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ.); 70° (VERT.)

CFMCS3082

SLIM-LINE COLUMN SPEAKER

2700 g

mm



- Ideal for speech reproduction, shape designed to enable corner installation
- Eight 50 mm (2") diameter extended range speakers and two tweeter 25 mm (1")
- Body in extruded aluminium bake-painted RAL 9016 White and front metal grille RAL 9016 White, includes accessory for wall mounting
- Built-in multi-tapped transformer (30 - 20 - 10 W) for 100 V constant voltage connection
- 16-ohm input that can be selected on the terminal block
- Audio connection on screw terminal block

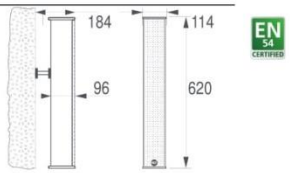
SPECIFICATIONS	CFMCS3082
POWER	30 W - 20 W - 10 W
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	180 - 20.000 Hz (? 3 dB)
SENSITIVITY (1 m / 1 W)	90 dB
MAXIMUM SOUND PRESSURE	111 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ.); 30° (VERT.)

CFVCS6520EN

TWO-WAY COLUMN SPEAKER

4500 g

mm



- Ideal for speech reproduction with high intelligibility in acoustically difficult environments, both indoors and outdoors, also suitable for music
- Four 3" mid-woofer speakers and one central 20mm tweeter
- Weather-resistant construction IP 66 for use also outdoors, sturdy hinged support in resin, stainless steel fasteners
- Body in aluminium and front grille in steel bake-painted RAL 9003 White
- Articulated support for wall mounting included
- CS 6520 EN column speaker, EN 54-24 norm compliant

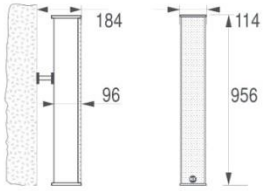
SPECIFICATIONS	CFVCS6520EN
POWER	20 - 10 - 5 - 2,5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	140 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	92 dB (1 W, 1m) - 80 dB (1 W, 4m)
MAXIMUM SOUND PRESSURE	105 dB (20 W, 1 m), 93 dB (20 W, 4 m)
ANGLE OF COVERAGE	185° (horiz.); 47° (vert.)

CFVCS6940EN

HIGH DIRECTIVITY
TWO-WAY COLUMN SPEAKER

7000 g

mm



- Ideal for speech reproduction with high intelligibility in acoustically dificult environments, both indoors and outdoors, also suitable for music
- Eight 3" diameter speakers, one 20mm tweeter, filtered and connected for improved control of vertical dispersion
- Weather-resistant construction IP 66 for use also outdoors, sturdy hinged support in resin, stainless steel fasteners
- Body in aluminium and front grille in steel bake-painted RAL 9003 White
- Articulated support for wall mounting included

SPECIFICATIONS	CFVCS6940EN
POWER	40 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	140 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	93 dB
MAXIMUM SOUND PRESSURE	109 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ.); 40° (VERT.)

CFMACWMCS

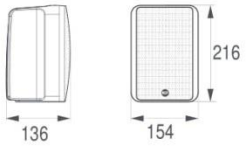
COUPLE OF SWIVEL BRACKETS

- Swivel brackets for the installation of CS 3041 and CS 3082 speakers

CFMMR33T
CFMMR33WT

TWO-WAY COMPACT MONITOR SPEAKERS
WITH TRANSFORMER

2200 g
mm



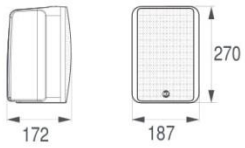
- Ideal for high quality paging and music reproduction
- Low impedance (4Ω - 40W) or 100V operating mode
- Two-way system, woofer with carbon fiber cone, 0.5" tweeter in Mylar on constant directivity horn
- Built-in low inductance passive crossover, bass reflex @150Hz
- Orientable mounting accessory included
- Body in self-extinguishing composite material, UV resistant

SPECIFICATIONS	CFMMR33T
POWER	20 - 10 - 5 - 2.5 - 1 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V, 50 V, 25 V
FREQUENCY RESPONSE	160 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB
MAXIMUM SOUND PRESSURE	105 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	110° (HORIZ.); 100° (VERT.)

CFMMR44T
CFMMR44WT

TWO-WAY MONITOR SPEAKERS
WITH TRANSFORMER

3600 g
mm



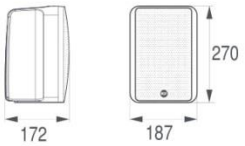
- Ideal for high quality paging and music reproduction
- Low impedance (4Ω - 60W) or 100V operating mode
- Transducers LF 5" - HF 0.5" constant directivity tweeter
- Built-in low inductance passive crossover with high frequency dynamic protection, bass reflex @65Hz
- Body in self-extinguishing plastic
- Includes hinged support for installation

SPECIFICATIONS	MONITOR 44T
POWER	40 - 30 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V, 50 V, 25 V
FREQUENCY RESPONSE	150 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	89 dB
MAXIMUM SOUND PRESSURE	108 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	110° (HORIZ.); 100° (VERT.)

CFMMR55
CFMMR55W

TWO-WAY HIGH DEFINITION
MONITOR SPEAKERS

3900 g
mm



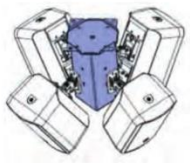
- Ideal for high quality paging and music reproduction
- Transducers LF 5" - HF 0.75" constant directivity tweeter
- Built-in low inductance passive crossover with high frequency dynamic protection, bass reflex @65Hz
- Body in self-extinguishing plastic
- Includes hinged support for installation

SPECIFICATIONS	MONITOR 55
NOMINAL POWER	175 W (IEC268-1)
SPEAKER IMPEDANCE	4 Ω
FREQUENCY RESPONSE	100 ÷ 19.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	87 dB
MAXIMUM SOUND PRESSURE	112dB (1 m / POWER MAX)
ANGLE OF COVERAGE	110° (HORIZ.); 100° (VERT.)

CFMMA4X

ACCESSORIES

Wall mounting bracket for up to 4 Monitor Series cabinets models CFMMR33T - CFMMR44T - MR55 in cluster installations.



CFMMA3B
CFMMA3W

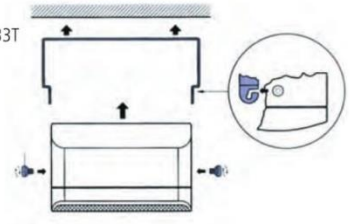
WALL MOUNT BRACKET

Bracket for mounting one CFMMR33T speaker on the wall

CFMMA5B
CFMMA5W

WALL MOUNT BRACKET

Bracket for mounting one Monitor 44T or 55 series speaker on the wall

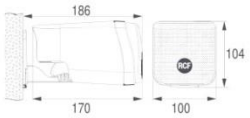


CFMMQ30P

MINIATURE TWO-WAY COAXIAL SPEAKER

1100 g

mm



- Orientable mini-speaker fir high quality reproduction
- Two way coaxial speaker: LF 3.5" - tweeter 0.75" dome
- Constant voltage: 70.7 - 100 V
- Impedance: [Bypass] 16 Ω
- Crossover frequencies: 5400 Hz, 6/6 dB/oct
- Built-in High-Pass filter at 150 Hz for integration with a subwoofer
- Cabinet: Hi-density polystyrene HB grade
- Connectors: Euroblock, removable for easy installation

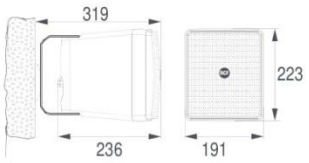
SPECIFICATIONS	CFMMQ30P
POWER	12 - 6 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	150 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB
MAXIMUM SOUND PRESSURE	102 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120°

CFMMQ80P

TWO-WAY INDOOR / OUTDOOR MONITOR

3000 g

mm



- Speaker: woofer 5" horn-loaded, 1" horn-loaded compression driver with phase-plug loaded on CD horn
- Impedance: [Bypass] 8 Ω
- [70.7V]: 15W - 10W - 5W - 2.5W
- Tuning frequency: 100 Hz
- Crossover frequency: 3000 Hz Crossover: Notch/6 dB/oct
- Cabinet: self-extinguishing high-density polystyrene, UV stabilized
- IP 55, suitable for outdoor use
- Suitable for cluster installation (2x, 3x) for a wide and uniform coverage

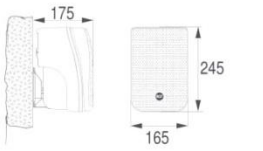
SPECIFICATIONS	CFMMQ80P
POWER	30 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	100 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	94 dB
MAXIMUM SOUND PRESSURE	115 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	90° (HORIZ.); 60° (VERT.)

CFMMQ50

TWO-WAY MONITOR

2600 g

mm



- Two way Bass reflex speaker for music reproduction
- Speaker: woofer 5" - tweeter 0.75" dome
- Impedance: [Bypass] 16 Ω
- Crossover frequencies: 4500 Hz, 12/12 dB/oct
- Protection: Dynamic on woofer and tweeter
- Cabinet: Hi-density polystyrene HB grade
- Connectors: Euroblock, removable for easy installation

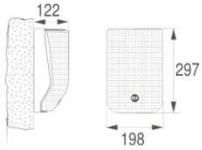
SPECIFICATIONS	CFMMQ50
POWER	30 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	70 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	89 dB
MAXIMUM SOUND PRESSURE	110 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120° (HORIZ.); 90° (VERT.)

CFMMQ60H

WIDE DISPERSION CONSTANT DIRECTIVITY MONITOR

2800 g

mm



- Two way Bass reflex speaker for music reproduction
- Speaker: woofer 5" - tweeter 2 x 1" dome
- Impedance: [Bypass] 16 Ω
- Line transformer [100V]: 30W - 20W - 10W - 5W - [70.7V]: 15W - 10W - 5W - 2.5W
- Crossover frequencies: 2600 Hz. Crossover: 12/12 dB/oct
- Protection: Dynamic on woofer and tweeter
- Cabinet: Hi-density polystyrene HB grade
- Connectors: Euroblock, removable for easy installation

SPECIFICATIONS	CFMMQ60H
POWER	30 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	100 ÷ 19.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	88 dB
MAXIMUM SOUND PRESSURE	109 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ.); 120° (VERT.)

CFMMQ60HLink W
CFMMQ60HLink B

ACCESSORIES

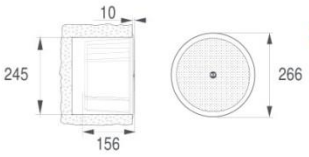
- CFMMQ60HLINK accessories, available in black or White can be used to support 2 CFMMQ60H speakers to form an Omni directional high quality speaker array (360°) dispersion over a horizontal surface which is controlled over a vertical surface.
- CFMMQ60H Link is made in fibre-glass loaded nylon and it is provided with the slide-in supports for the direct mounting of the two CFMMQ60H speaker systems.
- Central fixing ring for the safe suspension of the speaker assembly through a chain or a steel-wire.

CFMMQ50C

TWO-WAY CEILING MONITOR SPEAKER

2200 g

mm



- Two way bass reflex ceiling speaker for music reproduction
- Speaker: woofer 5" neodymium magnet, tweeter 1" dome neodymium magnet
- Impedance: [Bypass] 16 Ω
- [70.7V]: 15W - 10W - 5W - 2.5 W
- Crossover frequencies: 3000 Hz, 12/12 dB/oct - High pass filter at 150 Hz
- Angle of coverage: 120° horizontal x 120° vertical
- Cabinet: Plastic material self-extinguishing, Tuned Alu-dome
- Connectors: Euroblock, removable for easy installation

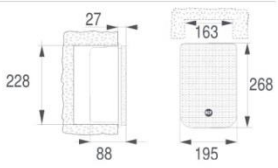
SPECIFICATIONS	CFMMQ50C
POWER	30 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	70 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	92 dB
MAXIMUM SOUND PRESSURE	112 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120°

CFMMQ50i

TWO-WAY IN WALL SPEAKER

3000 g

mm



- In-wall speaker system for music reproduction
- Two way bass reflex construction for flush mount
- Speaker: woofer 5" neodymium magnet, 0.75" dome tweeter
- Impedance: [Bypass] 16 Ω
- [70.7V]: 15W - 10W - 5W - 2.5 W
- Crossover frequency: 3000 Hz, 12/12 dB/oct
- Cabinet: Plastic material self-extinguishing, Tuned Alu-dome
- Connectors: Euroblock
- Suitable for standard Multibox enclosure, 2 modules

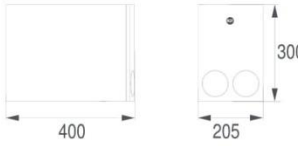
SPECIFICATIONS	CFMMQ50i
POWER	30 - 20 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	180 ÷ 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	90 dB
MAXIMUM SOUND PRESSURE	108 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	120° (HORIZ.); 100° (VERT.)

CFMMQ90SB

8" BAND PASS SUBWOOFER

8000 g

mm



- Compact band-pass 8" subwoofer, expecially designed to be used with MonitorQ series speakers
- Well suitable also for other RCF speakers such as CFMPL40, CFMPL6X, CFMDU100X, CFMDP2X
- The cabinet material is PVC covered with a scratch resistant surface and Painted Front Medium density
- Built-in multi-tapped transformer (60 – 30 – 7.5 W) for 100 V constant voltage connection
- 16-ohm input that can be selected by switch with MAX power 160 W / 80 W Bypass
- Internal Crossover filter at 200 Hz frequency 12 dB/oct
- As the subwoofer range is non-directional, the unit can be installed in a semi-hidden position
- Connection through a removable Euroblock plug that allows the parallel connection of other loudspeakers.

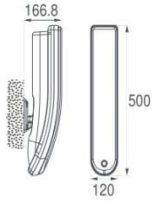
SPECIFICATIONS	CFMMQ90S
POWER	60 - 30 - 15 - 7.5 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	70 - 220 Hz (± 10 dB)
SENSITIVITY (1 m / 1 W)	89 dB
MAXIMUM SOUND PRESSURE	107 dB (1 m / POWER MAX)
CONNECTORS	EUROBLOCK

CFMMQ100LW
CFMMQ100LB

3 WAYS COLUMN LOUDSPEAKER

3000 g

mm

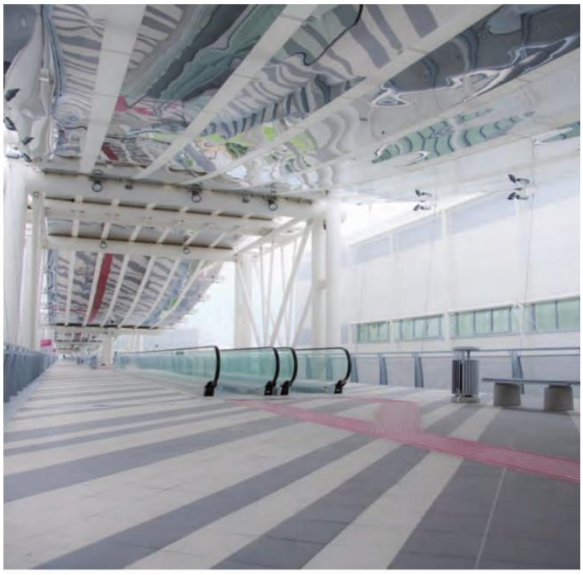


- 3 way column array speaker system providing natural high intelligibility hi-fidelity sound of both speech and music
- Body is made of self-extinguishing (HB level) high density polystyrene
- The wide horizontal coverage angle (180°) and the 60° asymmetrical vertical dispersion allow the correct sound reproduction and feedback reduction
- CFMMQ100L is equipped with: 2 rubber surround 3.5" woofers, 2 fabric surround 3.5" mid-woofers, 2 cloth coated 0.75" dome tweeters
- Mounting accessories are included. These have been studied to keep the column as close as possible to the wall and simplify its installation
- The pre-oriented vertical acoustic axis allows to cover already the majority of the installations.
- Provided with accessories to orient the speaker down of extra 5° and 10°
- Built-in multi-tapped transformer (40 – 20– 10 -5 W) for 100 V constant voltage connection
- 16-ohm input that can be selected by switch with MAX power 60 W

SPECIFICATIONS	CFMMQ100LW - CFMMQ100LB
POWER	120 - 60 W (100 V)
CONSTANT VOLTAGE	100 V, 70 V
FREQUENCY RESPONSE	130 - 20.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	93 dB
MAXIMUM SOUND PRESSURE	120 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ.); 60° (VERT.)

HORN SPEAKERS

Designed to be weather resistant and to withstand high sound pressure levels outdoor or in large environments.



MODEL	CFVHD21EN	CFMHD216ST	CFMHD1110	CFVHD31EN	CFVHD6045EN
TYPE	Round	Round	Round	Round	Rectangular
MATERIAL	ABS	Die-Cast Aluminium	ABS	ABS	Fiberglass
POWER NOM./ PROGRAM	30 W RMS	20 W RMS / 30 W	20 W RMS / 30 W	30 W RMS	200 W RMS
INPUT	100 V - 70 V	100 V - 70 V - 25 V	8 Ω	100 V - 70V	100 V - 70 V - 25 V
FREQUENCY RESPONSE	340 Hz ÷ 9 kHz	350 ÷ 15.000 Hz	900 ÷ 13.000 Hz	400 Hz ~ 7.5k Hz	200 ÷ 10.000 Hz
MAX. SOUND PRESSURE	119dB	123dB	116 dB	125 dB	139 dB
ANGLE OF COVERAGE	210° - 135° - 70° - 40°	80°	180°	95°	60° (Horiz) 50° (Ver)
PROTECTION / NORM	IP 66	IP 55	IP 65	IP 66	IP 65

MODEL	CFMHD210TY	CFMHD310T	CFMHD410T	CFMHD3216T
TYPE	Round	Round	Round	Rectangular
MATERIAL	Aluminium	Aluminium	Aluminium	ABS
POWER NOM./ PROGRAM	20 W RMS / 30 W	30 W RMS / 45 W	50 W RMS / 75W	25 W RMS / 38 W
INPUT	100 V - 70 V	100 V - 70 V	100 V - 70 V	100 V - 70 V
FREQUENCY RESPONSE	300 ÷ 9.000 Hz	240 ÷ 10.000 Hz	180 ÷ 7.000 Hz	250 ÷ 10.000 Hz
MAX. SOUND PRESSURE	121 dB	123 dB	130 dB	122 dB
ANGLE OF COVERAGE	70°	80°	80°	60° (Horiz) 130° (Ver)
PROTECTION	IP 66	IP 66	IP 66	IP 66

CFVHD21EN

PLASTIC HORN SPEAKER WITH DRIVER

2050 g

Ø 211 x 280 mm

- Compact speaker with 30 W driver in compliance with EN 54-24
- Rear cover in UV stabilised self-extinguishing ABS
- Suitable for indoor and outdoor use (thanks to IP 66 protection)
- Transformer for 100 V (/ 70 V) constant voltage connection
- Thermal fuse to pretect the audio line from heat
- Ceramic terminals for linking input and outpu cable
- Swiveling bracket included
- Color: light gray

SPECIFICATIONS	CFVHD21EN
NOMINAL POWER (MAX)	30 W RMS
SELECTABLE POWER	30 - 15 - 7,5 - 3,75 W (100 V) / 15 - 7,5 - 3,75 - 1,875 W (70 V)
INPUT IMPEDANCE	333 Ω (30 W-100 V / 15 W-70 V) | 667 Ω (15 W-100 V / 7,5 W-70 V) 1,33 kΩ (7,5 W-100 V / 3,75 W-70 V) | 2,67 kΩ (3,75 W-100 V / 1,875 W-70 V)
FREQUENCY RESPONSE	340 Hz ÷ 9 kHz
SENSITIVITY	104 dB (1 W / 1 m), 92 dB (1 W / 4 m)
COVERAGE ANGLE (-6 dB)	210° (500 Hz), 135° (1kHz), 70° (2kHz), 40° (4 kHz)
SOUND PRESSURE (MAX)	119 dB (30 W, 1 m), 107 dB (30 W, 4 m)

CFMHD3216

PLASTIC HORN SPEAKER WITH DRIVER

2100 g

310 x 165 x 290 mm

- IP 66 double isolation; for temperatures between -25°C and + 70°C
- UV-stabilized autoextinguishing UL-HB ABS plastic.
- Hi-pass filter for protecting driver against out-of-range low-freq.
- Color: RAL 7035 (platinum grey)
- Stainless-Steel mounting hardware

SPECIFICATIONS	CFMHD3216
NOMINAL POWER (MAX)	25 W RMS / 38 W
SELECTABLE POWER	-
INPUT IMPEDANCE	8 Ω
FREQUENCY RESPONSE	250 ÷ 10.000 Hz (± 3 dB)
SENSITIVITY	106 dB
COVERAGE ANGLE (-6 dB)	60° (HORIZ.); 50° (VERT.)
SOUND PRESSURE (MAX)	122 dB (1 m / POT. MAX)

CFMHD3216T

COMPACT HORN SPEAKER

2500 g

310 x 165 x 320 mm

- Compact speaker with high directivity and efficiency for intelligible speech reproduction
- Driver impedance 8 Ω
- Selector accessible on rear cover
- IP 66 double insulation construction for temperatures between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Body in UV stabilised self-extinguishing ABS, RAL 7035 grey
- Stainless steel attachment bracket included

SPECIFICATIONS	CFMHD3216T
POWER	25 W RMS – 38 W MAX
CONSTANT VOLTAGE	25-20-15-10-5 W
FREQUENCY RESPONSE	100 V; 70V
SENSITIVITY (1 m / 1 W)	250 ÷ 10.000 Hz (± 3 dB)
MAXIMUM SOUND PRESSURE	106 dB
ANGLE OF COVERAGE	60° (HORIZ.); 50° (VERT.)

CFMHD210TY

ALUMINIUM HORN SPEAKER WITH DRIVER

2200 g

Ø 212 x 290 mm

- Compact speaker with high directivity and efficiency for intelligible speech reproduction
- IP 66 double insulation construction, suitable for outdoor use for temperature between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Driver impedance 8 Ω
- Rear cover in UV stabilised self-extinguishing ABS, RAL 7035 grey
- Stainless steel attachment bracket included

SPECIFICATIONS	CFMHD210TY
POWER	20 - 10 - 5 - 2.5 W (100 V)
CONSTANT VOLTAGE	100 V; 70 V
FREQUENCY RESPONSE	300 ÷ 9.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	108 dB
MAXIMUM SOUND PRESSURE	121 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	70° (HORIZ. AND VERT.)

CFMHD310T

ALUMINIUM HORN SPEAKER WITH DRIVER

3100 g

Ø 310 x 315 mm

- High efficiency speaker ideal for speech reproduction
- Weather-resistant construction IP 66 Rating, suitable for outdoor use for temperatures between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Driver impedance 8 Ω
- Stainless steel attachment bracket included
- Rear cover in UV stabilised self-extinguishing ABS, RAL 7035 grey

SPECIFICATIONS	CFMHD310T
POWER	30 - 20 - 15 - 10 - 5 W (100 V)
CONSTANT VOLTAGE	100 V; 70 V
FREQUENCY RESPONSE	240 ÷ 10.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	108 dB
MAXIMUM SOUND PRESSURE	123 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	80° (HORIZ. AND VERT.)

CFMHD410T

ALUMINIUM HORN SPEAKER WITH DRIVER AND TRANSFORMER

4100 g

Ø 410 x 385 mm

- High efficiency speaker ideal for speech reproduction
- Weather-resistant construction IP 66 Rating, suitable for outdoor use for temperatures between -25°C and +70°C
- High-pass filter for protection of the driver against low frequencies out of range
- Driver impedance 16 Ω
- Stainless steel attachment bracket included
- Rear cover in UV stabilised self-extinguishing ABS, RAL 7035 grey

SPECIFICATIONS	CFMHD410T
POWER	50 - 30 - 25 - 15 W (100 V)
CONSTANT VOLTAGE	100 V; 70 V
FREQUENCY RESPONSE	180 ÷ 7.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	112 dB
MAXIMUM SOUND PRESSURE	130 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	80° (HORIZ. AND VERT.)

CFMHD1110

HORN SPEAKERS WITH DYNAMIC DRIVER UNIT

- For alarm and paging systems in places with a high level of background noise
- High-pass filter for protection of the driver against low frequencies out of range
- Body in plastic, RAL 7035 grey
- Suitable for outdoor use
- Attachment steel bracket included

SPECIFICATIONS	CFMHD1110
POWER	20 W RMS - 30 W MAX
SPEAKER IMPEDANCE	8 Ω
FREQUENCY RESPONSE	900 ÷ 13.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	101 dB
MAXIMUM SOUND PRESSURE	116 dB (1 m / POWER MAX)
ANGLE OF COVERAGE	180° (HORIZ. AND VERT.)

CFVHD6045EN

LONG-THROW MULTI CELL HORN SPEAKER

- High power, efficiency and directivity for intelligible speech reproduction
- Sturdy construction, suitable for outdoor use in harsh weather conditions
- Body in fibreglass, RAL 9003 grey
- Attachment bracket included

SPECIFICATIONS	HD 6045 EN
POWER	200 W RMS
CONSTANT VOLTAGE	100 V
FREQUENCY RESPONSE	200 ÷ 12.000 Hz (± 3 dB)
SENSITIVITY (1 m / 1 W)	110 dB
MAXIMUM SOUND PRESSURE	139 dB
ANGLE OF COVERAGE	60° (HORIZ.); 50° (VERT.)

CFMD5076

DRIVER UNIT

- Musical power/RMS: 75/50W
- 1 3/8" W - 18 N threaded horn attachment
- Pressure die-cast compression chamber
- Driver impedance 16 Ω
- Dimensions Ø 98 x 75 mm, weight 1.7 Kg
- Optional TD 507 line transformer

CFMTD507

50 V MULTI-TAPPED TRANSFORMER

- 50V Multi-tapped line transformer
- Suitable for connecting the D 5076 driver to 100/70V constant voltage lines
- Output power can be selected from four different values: 50-25-12-6W

ATTENUATORS, AUDIO TRANSFORMERS AND ACCESSORIES

To adjust the settings of the audio system according to any needs.

ATTENUATORS (SWITCHERS)

- The volume control is made of a control circuit having a 6 position (5 + off) selector and a separated transformer
- Installed on whichever supporting frame for home / office electrical systems by drilling a hole in a blank key and fixing its control circuit
- 3 knobs are included in 3 different colours: white, silver, anthracite
- The maximum depth of the volume control circuits are measured between the inner side of the front panel

CFMIM2220

PORTABLE IMPEDANCE TESTER

- The CFMIM2220 is a portable instrument, easy to use for measuring the impedance of the constant voltage speaker lines or of a single loudspeaker.
- The test range is quite wide thanks to the three measure fields (20 Ohm,200 Ohm, 2000 Ohm). It is suitable for both commercial audio and domestic use.
- The CFMIM2220 is easy to use, comfortable and safe, thanks to the large control knob, to the large display and the high insulation.
- Meets IEC-1010 (EN 61010); CAT III 100V
- Display 3 ½ digit LCD
- Data HOLD indication
- Automatic switch-off of the pilot tone after 20s unless the LOCK key is pressed
- Automatic switch-off of the device after 15 minutes without being used

SPECIFICATIONS	CFMIM2220
SIGNAL TEST FREQUENCY	1 kHz
ACCURACY	± 2%
ALTITUDE	2000 m (~ 6500 ft)
OPERATING TEMPERATURE	0 ÷ 40°C (32 ÷ 104 °F)
POWER SUPPLY	9 V c.c (6 x 1.5 V AA, ALCALINE)
DIMENSIONS	168 x 110 x 62 mm
WEIGHT	0.5 Kg

CFMAT10Z CONSTANT IMPEDANCE ATTENUATOR

- Constant impedance attenuator for speakers with minimum impedance 4 Ω
- Universal mounting on any standard European electrical wall plate.
- 5 selectable positions + OFF volume control

SPECIFICATIONS	CFMAT10Z
IN/OUT IMPEDANCE	4 Ω
MAX. POWER	10 W
ATTENUATION	0 dB - 6 dB - 12 dB - 18 dB - 24 dB - OFF
MAX. DEPTH	50 mm

CFMAT20T 20 W / 100 V TRANSFORMER ATTENUATOR

- Attenuator for constant voltage systems, max 20W
- Universal mounting on any standard European electrical wall plate.
- 5 selectable positions + OFF volume control
- Bypass relay or 3-wire control system for alarm/evac applications

SPECIFICATIONS	CFMAT20T
INPUT VOLTAGE	100 V
MAX. POWER	20 W
ATTENUATION	0 dB - 3 dB - 6 dB - 9 dB - 12 dB - OFF
MAX. DEPTH	50 mm

CFMAT40T 40 W / 100 V TRANSFORMER ATTENUATOR

- Attenuator for constant voltage systems, max 20W
- Universal mounting on any standard European electrical wall plate.
- 5 selectable positions + OFF volume control
- Bypass relay or 3-wire control system for alarm/evac applications

SPECIFICATIONS	CFMAT40T
INPUT VOLTAGE	100 V
MAX. POWER	40 W
ATTENUATION	0 dB - 3 dB - 6 dB - 9 dB - 12 dB - OFF
MAX. DEPTH	58 mm

CFMCT61 6 POSITION 1 WAY ROTARY SWITCHER

- 5 selectable position + OFF volume control
- To be used with CFMTL128 autotransformer
- Bypass relay or 3-wire control system for alarm/evac applications

SPECIFICATIONS	CFMCT61
INPUT VOLTAGE	100 V
MAX. POWER	120 W
MAX. DEPTH	58 mm

CFMTL128 120 W LINE TRANSFORMER

1140 g

68 x 72 x 85 mm

- The CFMTL128 transformer can be used in audio systems with constant voltage lines (usually 100 or 70V) to regulate the power of one or more acoustic speakers that have line transformers with a combined power of a maximum of 120 W
- It can be combined with a switch (up to 8 positions), in order to form a volume control that fades at 3 dB intervals

SPECIFICATIONS	CFMTL128
INPUT VOLTAGE	100 - 70 - 50 - 35 - 25 - 18 - 12 V
MAX. POWER	120 W
MINIMUM LOAD IMPEDANCE	83.3 - 41.7 - 20.8 - 10.4 - 5.2 - 2.6 - 1.3 Ω
FREQUENCY RESPONSE	60 ; 18.000 Hz (± 3 dB)

CFMCP52 5 POSITION 2 WAY ROTARY SWITCHER

- 5 Line selector for 100V system, load max 120W
- Bypass relay for emergency calls on line 1

SPECIFICATIONS	CFMCP52
MAX INPUT VOLTAGE	100 V
MAX. POWER	120 W
MAX. DEPTH	58 mm

UNIVERSAL LINE TRANSFORMERS

- High quality transformers suitable to connect loudspeakers with 4-8 Ω impedance (TD 105 excluded) to constant voltage lines (70-100V). It's possible to select different power values choosing different outputs.
- Thanks to material over-sizing and alternate layer windings, they offer high performance: dynamics and frequency response are particularly extended. They are suitable to drive professional speakers through constant voltage power amplifiers (TD 105 excluded)

CFMTD10 10 W UNIVERSAL LINE TRANSFORMER

SPECIFICATIONS	CFMTD10
OUTPUT POWER 4 Ω	1.2 - 2.5 - 5 - 10 W
OUTPUT POWER 8 Ω	0.6 - 1.2 - 2.5 - 5 - 10 W
FREQUENCY RESPONSE	50÷18'000 Hz
DIMENSIONS	86 x 53 x 59 mm
WEIGHT	500 g

CFMTD30 30 W UNIVERSAL LINE TRANSFORMER

SPECIFICATIONS	CFMTD30
OUTPUT POWER 4 Ω	15 - 30 W
OUTPUT POWER 8 Ω	7.5 - 15 - 30 W
FREQUENCY RESPONSE	50÷18'000 Hz
DIMENSIONS	87 x 53 x 68 mm
WEIGHT	700 g

CFMTD60 60 W UNIVERSAL LINE TRANSFORMER

SPECIFICATIONS	CFMTD60
OUTPUT POWER 4 Ω	15 - 30 - 60 W
OUTPUT POWER 8 Ω	7.5 - 15 - 30 - 60 W
FREQUENCY RESPONSE	50÷18'000 Hz
DIMENSIONS	77 x 77 x 79 mm
WEIGHT	1200 g

CFMTD120 120 W UNIVERSAL LINE TRANSFORMER

SPECIFICATIONS	CFMTD120
OUTPUT POWER 4 Ω	30 - 60 - 120 W
OUTPUT POWER 8 Ω	15 - 30 - 60 - 120 W
FREQUENCY RESPONSE	50÷18'000 Hz
DIMENSIONS	85 x 85 x 90 mm
WEIGHT	1900 g

CFMTD240 240 W UNIVERSAL LINE TRANSFORMER

SPECIFICATIONS	CFMTD240
OUTPUT POWER 4 Ω	60 - 120 - 240 W
OUTPUT POWER 8 Ω	30 - 60 - 120 - 240 W
FREQUENCY RESPONSE	50÷18'000 Hz
DIMENSIONS	98 x 89 x 100 mm
WEIGHT	3100 g

MOBILE AMPLIFICATION

Portable systems for all the situations in which mobility is important.

CFMMG90

10W MEGAPHONE

- Extra strong plastic material, highly resistant to dust and humidity
- High intelligibility and speech clarity thanks to the microphone optimization.
- Built-in amplifier and dynamic unit
- Designed to be used even in critical situations
- 500 meters indicative range
- Activating button and volume located on the megaphone grip
- Power supply: 6 "AA" batteries (not included)
- Black body and grip, transparent pavilion

SPECIFICATIONS	CFMMG90
NOMINAL POWER	10 W
POWER SUPPLY	6 AA Batteries (UM-3) (9V DC)
TIME OF USE	10 ore (talking)
BEAM OF USE	0.45 Km (quiet ambient), 0.25 Km (city)
DIMENSIONS	185 mm / 310 mm (diameter)
WEIGHT	0,9 Kg (without batteries)

RACK COMPONENTS

For the optimum management of the system configurations.

MODEL	CFMCR2609	CFMCR2615	CFMCR2615FV	CFMCR2628	CFMCR2642
TYPE	9 U	15 U	15 U	28 U	42 U
BASE DIMENSIONS	600 x 500 mm	600 x 600 mm	600 x 600 mm	600 x 600 mm	600 x 600 mm
HEIGHT	470 mm	800 mm	800 mm	1600 mm	2000 mm
WEIGHT	24 Kg	26 Kg	30 Kg	54 Kg	68 Kg
MAX LOAD	25 Kg	105 Kg	100 Kg	320 Kg	350 Kg
VENTILATION	Side natural ventilation	-	Thermostat controlled	Thermostat controlled	Thermostat controlled
Thermal Dissipation 25 °C	100 W	230 W	3130 W	3280 W	3320 W
Thermal Dissipation 35 °C	150 W	140 W	3130 W	2160 W	2180 W
INCLUDED ACCESSORIES	-	4 wheels with braking system	4 wheels with braking system	-	-
MODEL DOOR	(included)	CFMAK2615	CFMAK2615	CFMAK2628	CFMAK2642

CFMCR2600

RACK ENCLOSURES

- The CR 2600 series rack encloseres are designed to hold all RCF 19" rack standard components.
- They are constructed in compliance with the IEC 297-2 dimensional standard, and the depth is 600 mm for all models.
- 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.
- The protection level is IP 30. The CFMCR2600 SERIES 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.
- 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.

CFMCR2609

9 UNITS RACK ENCLOSURE STANDARD 19" WITH TRANSPARENT DOOR

- Steel constructed structure
- Glass front door
- Removable rear panel
- Equipped assembled
- Dimensions: (B x P x H) 600 x 500 x 470 mm - Color RAL 7035

CLOSURE PANELS

CFMPU1

- 1U Closure Panel
- RAL 9005 Nero

CFMPU2

- 2U Closure Panel
- RAL 9005 Nero

CFMPU3

- 3U Closure Panel
- RAL 9005 Nero

CFMPU4

- 4U Closure Panel
- RAL 9005 Nero

CFMPV2603
VENTILATION UNIT

5000 g

mm

- CFMPV2603 is a ventilation unit composed by 3 blowers (230 V ac) and a main switch. The blowers turn on due to the activation command of a thermostat included ia all CFMCR2600 rack cabinets series.
- The ventilation unit has an air flow capacity of 500 m /h
- 9" Rack mounting, 1 unit
- Main switch placed on the rear panel
- Low noise

CFMRR2601
RACK WHEELS KIT

- Wheels for rack cabinets CFMCR2628 and CR 2642.
- 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.
- Portion of Omega bar for installing 5 Omega standard modules
- 16A total capacity; cable included

CFMAR1050
RACK SUPPORTS

- 1 U accessory for installation in CFMCR2600 series racks

CFMBH1042
BATTERY HOLDER

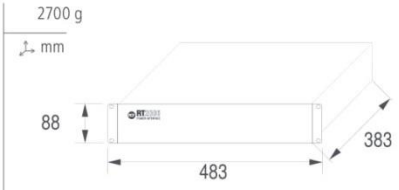
- Universal battery holder for series "CFMCR2600"

CFMPAER1
FRONT VENTILATION PANELS

- Front ventilation panel, 1U for CFMCR2600 series racks, RAL 7021 gray

CFMRT2006

RACK CONNECTIONS FOR POWER TRANSFORMERS
CFMTD300-CFMTD500-CFTD1000



- The CFMRT2006 is a 2 standard unit 19" high rack container to house and connect up to 6 CFMTD300 transformers, 4 model CFMTD500 transformers or 2 CFMTD1000 transformers.
- Different transformers can also be combined within the transformer panel.
- The CFMRT2006 has an interface circuit with connection terminals between amplifiers, transformers and speaker lines.
- The connections are all removable and sized for maximum applicable power.
- Easy transformer installation and connection to terminals
- Thanks to material over-sizing and alternate layer windings, frequency response of the transformers is particularly extended. These transformers can be used also with professional high performance loudspeakers.

SPECIFICATIONS	CFMTD300 - CFMTD500 - CFMTD1000
INPUT IMPEDANCE (PRIMARY)	4 Ω (35 V - TD 300; 45 V - TD 500; 63 V - TD 1000)
OUTPUT VOLTAGE (SECONDARY)	100 V (33 Ω - CFMTD300; 20 Ω - CFMTD500; 10 Ω - CFMTD1000)
FREQUENCY RESPONSE	50 - 20.000 Hz
THERMAL DETECTION THRESHOLD	90° C
NOMINAL POWER	300 VA (CFMTD300); 500 VA (CFMTD500); 1000 VA (CFMTD1000)
DIMENSIONS (DIAMETER, HEIGHT)	ø 115 mm, 65 mm (CFMTD300); ø 125 mm, 70 mm (CFMTD500); ø 170 mm, 75 mm (CFTD300)
NET WEIGHT	2.7 kg (CFMTD300); 3.3 kg (CFMTD500); 7.2 kg (CFMTD1000)
INPUT CONNECTORS	SPEAK ON (CFMRT2006)
OUTPUT CONNECTORS	SCREW TYPE EUROBLOCK (CFMRT2006)

CFMTD300

300W PROFESSIONAL AUDIO TOROIDAL TRANSFORMER

CFMTD500

500W PROFESSIONAL AUDIO TOROIDAL TRANSFORMER

CFMTD1000

1000W PROFESSIONAL AUDIO TOROIDAL TRANSFORMER

Nominal 300W CFMTD300 Toroidal transformer, main 4Ω, secondary 100V
Terminals for quick connection to panel CFMRT2006
Quick transformer mounting inside the rack chassis with the supplied kit

Nominal 500W CFMTD500 Toroidal transformer, main 4Ω, secondary 100V
Terminals for quick connection to panel CFMRT2006
Quick transformer mounting inside the rack chassis with the supplied kit

Nominal 1000W CFMTD1000 Toroidal transformer, main 4Ω, secondary 100V
Terminals for quick connection to panel CFMRT2006
Quick transformer mounting inside the rack chassis with the supplied kit