DOYSON

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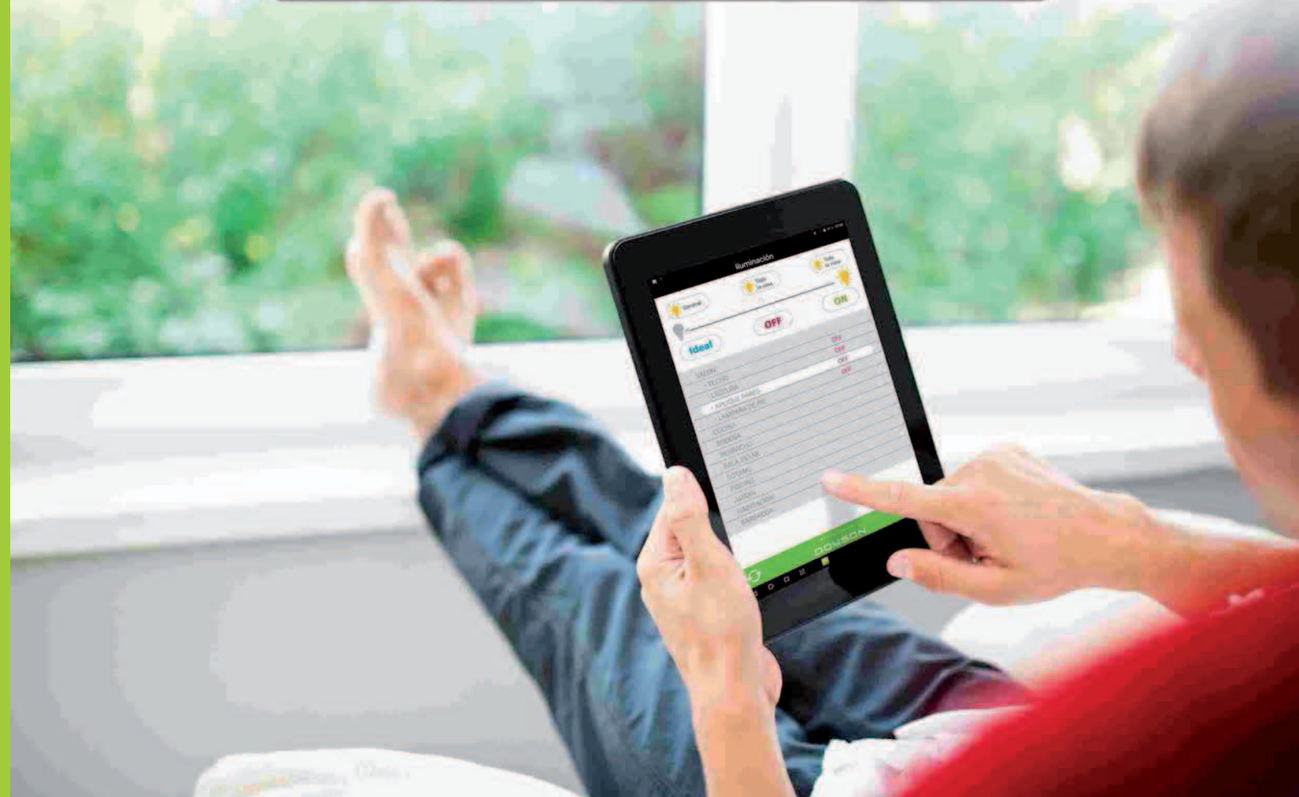
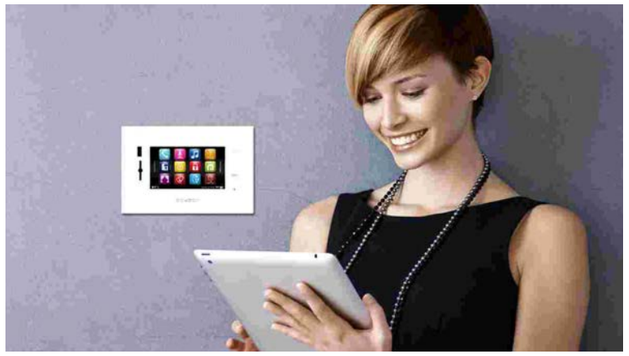
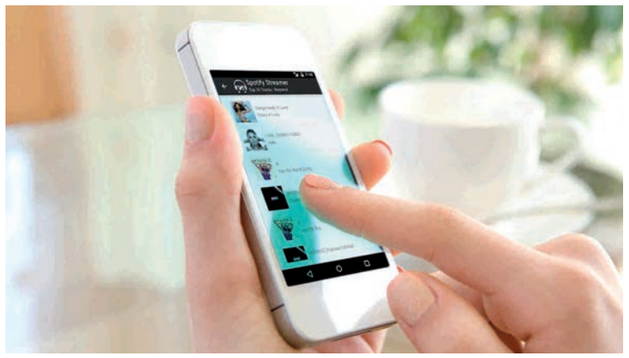
DOYSON

home automation
& sound systems







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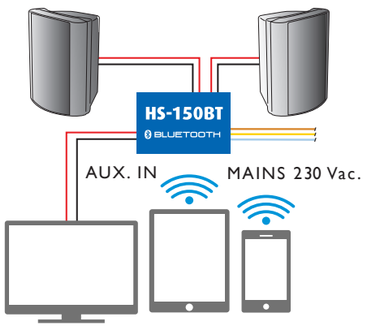
BLUETOOTH Audio Systems. Connectivity with any device

Doyson introduces its new wireless amplified systems with Bluetooth that offer great versatility and superb audio quality.
Particularly designed for both residential and commercial use, these systems simplify enormously the installation with no prejudice to the best sound.

Audio amplifier with BLUETOOTH



HS-120BT (Power supply: 12V DC)*
Power: **20 + 20W @ 4 Ω. D CLASS stereo amplifer**

HS-150BT (Power supply: 230V AC)

HS-100BT (Power supply: 12V DC)

Power: **2 + 2W @ 4 Ω. D CLASS stereo amplifer**
Total Harmonic Distortion TDH (1KHz): **< 1% RMS Power 3W**
V4.0 BLUETOOTH® version (supports APTX and AAC formats)
Bluetooth range: **10 meters**. (in open space)
Frequency range: **2.40 GHz-2.4832 GHz (ISM band)**
Security: 4 digit pin code.
Dimensions: **95x80x45 mm.**

* EXTERNAL POWER SUPPLY UNIT **FA 12 HS** 15V DC. 3.40 Amp. 51W.

Sound KIT with BLUETOOTH

SK-200BT (Power supply: 230V AC)

SPEAKERS: 2 x 3,5" Speakers. 10 W 8Ω.
Low height White Aluminium grilles. **Ø120x58 mm**.
Direct fixing speakers to False ceiling.
AMPLIFIER: 2 + 2W @ 4 Ω CLASS D stereo amplifer
Total Harmonic Distortion TDH (1KHz): **< 1% Pot. RMS Power 3W**
V4.0 BLUETOOTH® version (supports APTX and AAC formats)
Bluetooth range: **10 meters**. (in open space)
Frequency range: **2.40 GHz-2.4832 GHz (ISM band)**
Security: 4 digit pin code.
Module dim: **95x80x45 mm.**

Sound KIT with in-wall BLUETOOTH control module

Sound KIT with BLUETOOTH

SK 10 BT (Power supply: 230V AC)

SPEAKERS: 2 x 3,5" Speakers. 10 W 8Ω.
Low height White Aluminium grilles. **Ø120x58 mm**.
Direct fixing speakers to False ceiling.
Control MODULE: 1.5 + 1.5W @ 8Ω stereo amplifier
Auxiliary audio input and headphone socket
For standard Ø60mm flush-mount box
V4.0 BLUETOOTH® version (supports APTX and AAC formats)
Bluetooth range: **10 meters**. (in open space)
Frequency range: 2.40 GHz-2.4832 GHz (ISM band)
Security: 4 digit pin code.

Sound KIT with BLUETOOTH + FM

SK 10 FM BT (Power supply: 230V AC)

SPEAKERS: 2 x 3,5" Speakers. 10 W 8Ω.
Low height White Aluminium grilles. **Ø120x58 mm**.
Direct fixing speakers to False ceiling.
Control MODULE: 1.5 + 1.5W @ 8Ω stereo amplifier
Digital **stereo FM TUNER** with 4 pre-set radio stations, auxiliary audio input and headphone socket
For standard Ø60mm flush-mount box
V4.0 BLUETOOTH® version (supports APTX and AAC formats)
Bluetooth range: **10 meters**. (in open space)
Frequency range: 2.40 GHz-2.4832 GHz (ISM band)
Security: 4 digit pin code.

multiroom audio system with AirPlay DLNA

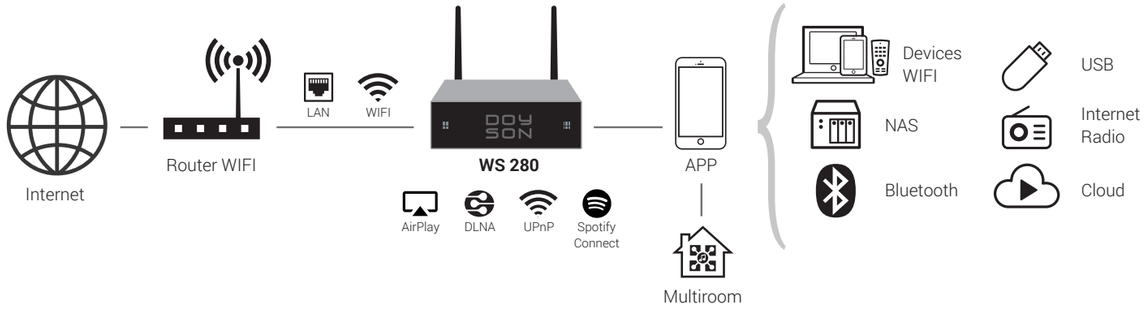
Doyson presents its new WiFi multiroom full digital audio system. These devices can receive music from online streaming applications such as Spotify, Tunein, etc or from local storage devices (computer, tablet, Smartphone, NAS ...) and make it sound synchronized in all rooms or send different music to each room. And all controlled from a free app of intuitive use and easy configuration available in multiple languages for both iOS and Android.

Control the music of all your home with only one APP

WiFi amplifier with Bluetooth y USB

WS 280

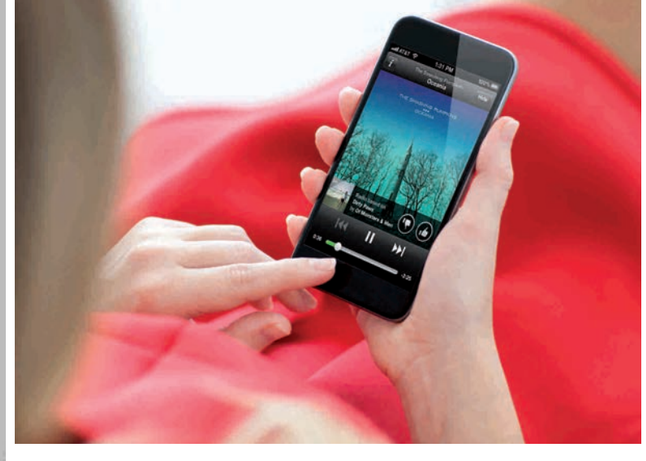
WiFi multiroom full digital HiFi amplifier with Bluetooth and USB player
Class D stereo amplifier 50+50W @ 8Ω
Impedance: **4-16Ω**
Frequency response: **20Hz - 20kHz**
THD: 1%. SNR: 92dB
Bluetooth version: 4.2
DSP for bass and treble adjustment
IR remote control for amplifier management
Stereo auxiliary audio input (RCA)
Stereo auxiliary audio output (RCA) with adjustable volume
Supports different streaming protocols, such as **AirPlay, DLNA, UpNP Spotify connect or Qplay.**
HQ audio streaming without compression: **FLAC, APE, WAV.**
Sample rate supports up to 24bit/192kHz
Material: **Aluminium** housing and black polycarbonate front panel
Power supply: **30V DC, 3 Amp.** Power adapter included
Dimensions: **120x110 x40 mm**



WiFi self-powered two-way speakers

WS 220

Pair of self-powered WiFi in-ceiling two-way speakers (Active + Passive)
6.5" Woofer + 1.5" tweeter and crossover
Class D stereo amplifier 20+20W RMS
Impedance: **8Ω**
Frequency response: **40Hz - 20kHz (+-3dB)**
THD: <0,5% a1kHz. SNR: >70dB
Overtemp, overload, short circuit and AC fuse protection
Stereo auxiliary audio input (3.5mm Jack)
Material: ABS with white metal grille
Power supply: **12V DC.** Power adapter included
Dimensions: **Ø230x85 mm.** Cutout: Ø200 mm



SERIES D CONCEPT

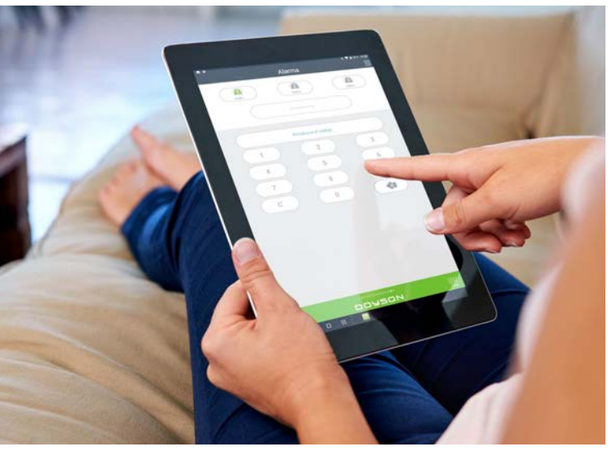
This is the new SERIES D control touch panel, a control module DESIGNED IN A BIG WAY to cover almost all the needs of a modern home such as SOUND in each room, INTERCOMMUNICATION, Control of TELEPHONE AND ELECTRONIC DOORPHONE, AWNINGS, BLINDS, LIGHTING, BOILER, ALARM, CCTV Cameras, SMOKE DETECTION, WATER LEAKS, etc.

EXPANDABLE SYSTEM

DOYSON puts at your fingertips a wide range of INTERFACES to expand according to your needs.

THE DOYSON APP

We have a free APP for Android and iOS smartphones with control of all functions of the SERIES D that culminates the greatness of this system.



THE CONTROL TOUCH PANEL

THE D 500 TFT CONTROL of the D SERIES is a flush-mount electronic device of pure lines that will give elegance and distinction to any room in your home. It is practical and functional and also integrates:

• 4.3 inch high definition TOUCHSCREEN with multifunctional interactive menu of attractive design and extreme ease of use thanks to the use of icons that visually describe the main functions of the system.

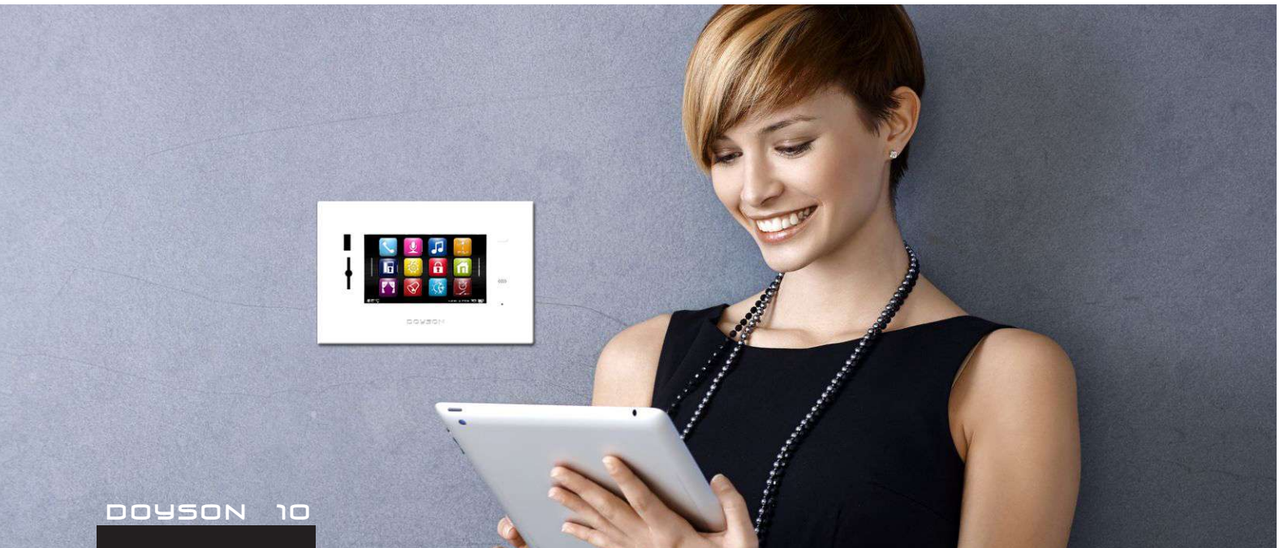
• FRONTAL PLATE made of polycarbonate (non-conductive material), resistant and easy to clean and maintain.

•ON / OFF key and standby green LED.

• Electret MICROPHONE for INTERCOM, TELEPHONE AND DOORPHONE functions.

• SOUND AND INTERCOM functions in a single control module with touchscreen, BLUETOOTH to link your smartphone, tablet or computer, independent FM Radio and auxiliary audio input via USB, SD card and AUDIO CHANNEL coming from the central unit.

It has, among other functions, bidirectional INTERCOM, alarm clock and SCENE settings. You can also expand the system by using optional INTERFACES with functions such as ALARM, MOTORS, LIGHTING, TELEPHONE AND DOORPHONE, TEMPERATURE and PROGRAMMABLE RELAY control.



D 500 B Black color / **D 500 W** White color

TECHNICAL SPECIFICATIONS

Power supply.....12VCC.
Stereo amplifier..... 2+2W.
Bluetooth transmission protocol..... A2DP
Stand-by power consumpti.....40 mA.
Operational power consumption (min.).....150 mA.
Operational power consumption (med.)...380 mA.
Operational power consumption (max.)..600 mA.
Frequency response.....40-20.000 Hz.
Connectors.....Power strips
Dimensions.....173 x 109 x 46 mm.

CONNECTIVITY MODULE

ID 275 INTERNET CONNECTIVITY MODULE

This unit allows the connection of the Series D home automation system to the internet line of your installation, so it keeps the DOYSON APP constantly active to facilitate the remote control of all the system functions.

SOUND FUNCTIONS

FM RADIO

The SERIES D control touch panel has built-in RDS FM Radio with upwards and downwards automatic scan, last selected radio station memory and up to 12 memories to save your favorite radio stations. This unit also has also digital control of bass, treble and balance levels, selection of stereo/mono and loudness mode and adjustment of FM sensitivity.

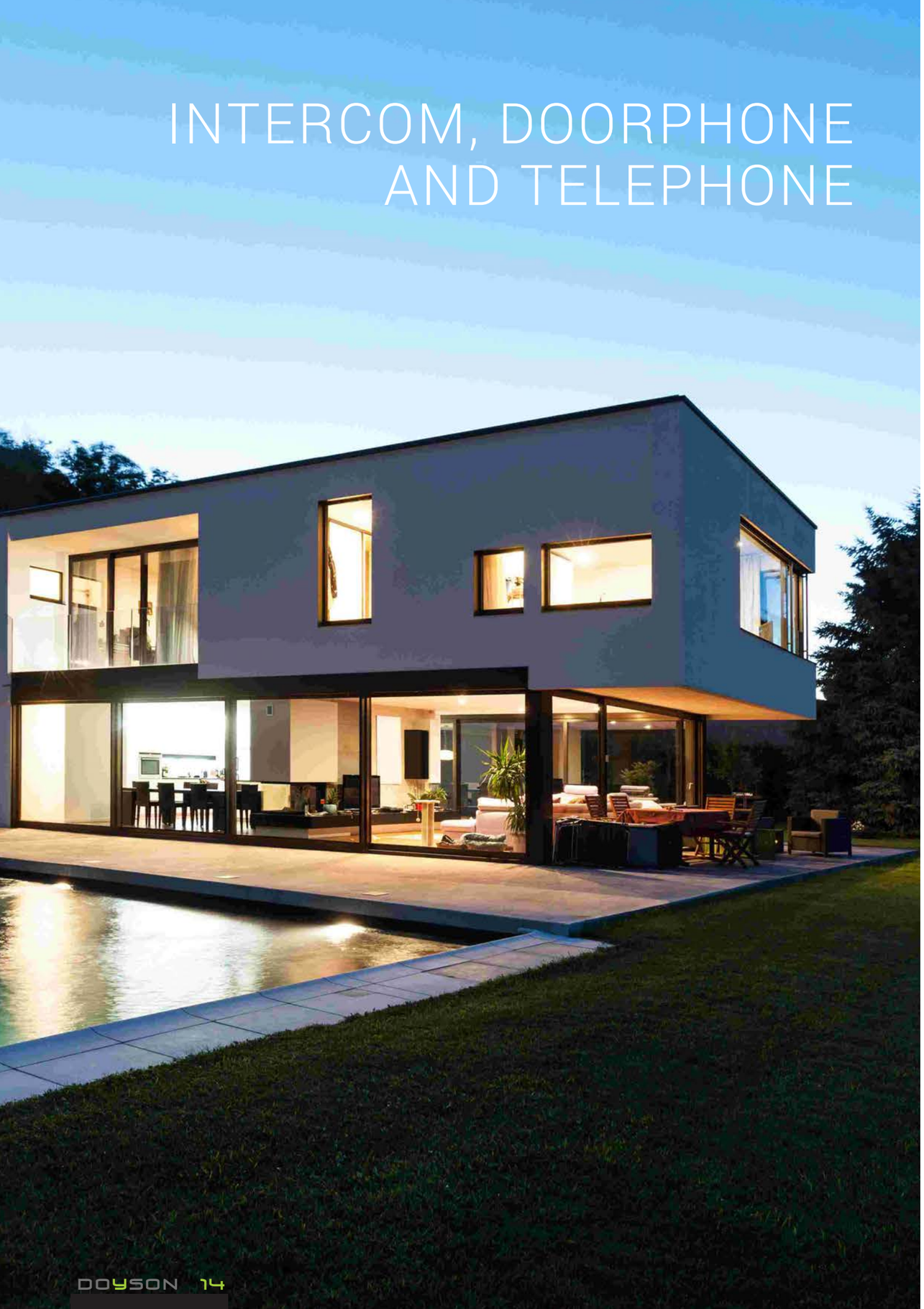
BLUETOOTH

With BLUETOOTH connection to link your mobile phone, tablet, computer... and play your music through the ceiling speakers with an excellent audio quality. You can pair your device with all the zones/rooms you want, edit the name of each one on your mobile phone and thus play your favorite music in each zone automatically with no need to pair the device again. Audio settings are also available from this function.

CH, USB AND SD CARD

The control touchscreen can receive the music coming from an audio source connected to the central unit. It has also auxiliary audio inputs via USB and SD card, where you can store all your favorite song lists to play them without limits. Your playlist will be shown on the screen control module with their titles. With this function you will control all your music at your whim including the audio settings.such as bass and treble, balance, stereo / mono, etc.

INTERCOM, DOORPHONE AND TELEPHONE



INTERCOM

Bidirectional intercommunication is one of the main functions of this system. You can make and receive general and individual calls up to 128 zones or groups of zones previously configured by the user and stored in the agenda that each module incorporates. This function has hands-free mode and you can also select to answer the calls automatically or manually in order to guarantee your privacy. Ideal for offices, schools, hospitals and family homes.

BABY-PHONE

The Series D is especially suitable for single-family houses with one or several floors, for which is very useful the surveillance function between zones. This way you can have your children and/or elders always cared wherever you are at home. You can monitor up to 5 zones simultaneously. The system allows to match all the Series D control modules and those belonging to the Series S that have built-in microphone. The monitoring control modules can be playing any audio source while operating the baby-phone function.

LANDLINE CONNECTION

The Series D has an analog telephone interface (ID 200) to connect the system with the telephone network and thus to be able to receive and make phone calls from the control touchpanel in a hands free mode. The unit also has an agenda to save your contacts.

DOORPHONE

By using the ID100 interface, the system gets prepared for the connection of analogic doorphones and video doorphones and thus to be able to receive calls, answer and open the entry door of your home from any Series D control touchscreen.
The unit has a DO NOT DISTURB mode so you can block the calls in the modules you want.

TOTAL CONTROL OF YOUR HOME

LIGHTING

Using the ID 265 interface, the system allows the control of incandescent and 230 Vac. dimmable LED lamps in manual, automatic or programmable mode. You can turn all your home lights on and off and also dimerize them from the same control touchscreen or remotely through the DOYSON APP. Installation combined with other electrical mechanisms (switchgears, switches and pushbuttons) is allowed. There is also the possibility of connecting twilight and presence sensors for automatic operation of the lights. Maximum power 2x500W.

BLINDS AND AWNINGS

This interface acts on motors and allows the control of blinds, awnings, curtains or others in manual, automatic or programmable mode from the control touchscreen or remotely through the DOYSON APP. It allows the installation combined with pushbutton and also with anemometers and rain and twilight sensors for the automatic drive of the motors in function of the weather changes.

RELAY CONTROL

The ID 270 interface has 4 relays to control electrical appliances from the control touch panel. Irrigation pums, outdoor lights or motorized doors can be connected to it so you can control the turning on and off of these devices as well as schedule them with a weekly timer.

BOILER CONTROL

It allows the gradual control of the home boiler from each control touchscreen by means of an external temperature probe. This function allows the direct boiler turning on and off as well as the control of the home temperature.

SECURITY AND CCTV SURVEILLANCE

UP TO 21 CAMERAS

Up to 21 cameras can be connected to the system and viewed from any control touchscreen at home or remotely through the DOYSON APP. This way your home, office, premises, etc. will always be monitored in real time wherever you are.
You can also install a video recorder to store the images captured by the security cameras.

ALARM AND SENSORS

The Series D offers a complete alarm system by using the ID 255 interface that will bring you great peace of mind. It has intrusion sensors for windows and doors as well as motion sensors, generating acoustic warnings through the loudspeakers and sending warnings to your smartphone. It also allows the creation of 3 configurable profiles to activate the alarm by zones or areas and sensors.

LEAK DETECTION

The Series D incorporates detection of water, gas and smoke leaks by using the ID 255 interface and accessory sensors. It allows you to have absolute control of your home in case of unexpected events, which will be communicated to your mobile phone. You can also complete the system with the installation at home of electrovalves for automatic cutting of the water and/or gas supply in each case.

Series D Interfaces

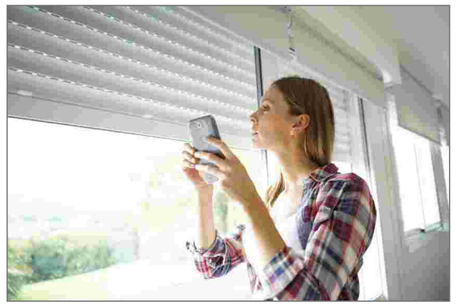
The Series D has a catalogue of optional functions that can be added to the system by using a series of interfaces that are detailed below. It is a series of electronic modules in DIN rail format that allow the DOYSON Series D home automation system to have the characteristics we want.
All these functions can be controlled from the D 500 touchscreen and also from the DOYSON APP.

ID 200 TELEPHONE CONNECTION INTERFACE.

This module establishes connection between the home analog landline and the DOYSON Series D system. It allows you to receive and make telephone calls in hands-free mode from any touch panel. A customizable agenda with storage capacity up to 50 contacts is available with this function.

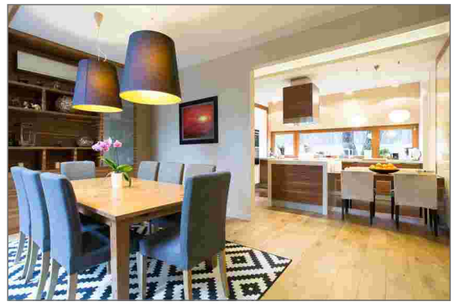
ID 100 DOORPHONE INTERFACE CONNECTION

This module establishes communication between your analog electronic entryphone or video doorphone and the SERIES D system. It allows to answer calls from the entryphone as well as open the door. For the reception of images the additional installation of an IP camera is a must (check with manufacturer).



ID 260 MOTORS, AWNINGS AND BLINDS INTERFACE

For the control of blinds, awnings, curtains, etc in manual or automatic mode. It allows the installation combined with pushbutton and also with anemometers and rain and twilight sensors for the automatic drive of the motors in function of the weather changes. These functions can also be weekly scheduled by the system.



ID 265 LIGHTING CONTROL INTERFACE

Allows manual or automatic control of incandescent or 230Vac dimmable LED lamps.
Maximum power 2x500W. It can be combined with switchgears, switches and/or pushbutton. It supports also twilight and presence sensor connection.

ID 255 SECURITY INTERFACE WITH 12 INPUTS AND 4 RELAY OUTPUTS

Module with 10 inputs for connection of security detectors and sensors (presence, intrusion for doors and windows), 1 input for smoke/gas detector and 1 more for water leaks. It has 4 relay outputs to activate the corresponding electrovalves.

ID 270 RELAY CONTROL INTERFACE WITH 4 OUTPUTS

It allows the connection between the Series D home automation system and electrical apliances such us irrigation pumps, outdoor lights, motorized doors, etc. You can control the turningon and off of these devices as well as programming daily and weekly their operation

ID 280 TEMPERATURE CONTROL INTERFACE

It allows the direct boiler turning on and off as well as the control of the home temperature.

Accessories for Series D

The Series D allows the connection of CCTV cameras and recorders to the system for viewing and storing images. We have several models tested specifically for our Series D, which are detailed below. Apart from them, we have access to a broader catalog of references, among which our technical department will advise you the one that best suits your needs.

IP CAMERAS

DAHUA-685 **Fixed IP dome camera with IR illumination of 30 meters, for outdoors**
1/4" CMOS. Dual stream. Up to 1 MP. 2.8mm fixed lens (81°). ICR. OSD, AWB, AGC, digital WDR, 3D-NR, privacy mask, corridor mode. Onvif. IP67. DC 12V. PoE.

DAHUA-687 **IP fixed vandal dome with IR illumination of 30 meters, for outdoors**
1/3" CMOS. DUal stream. 1.3MP. 2.8 mm fixed lens (89º). ICR. OSD, AWB, AGC, digital WDR, 3D-NR, privacy mask, corridor mode. Onvif. IP67, IK10. 12V DC. PoE.

DAHUA-1246 **IP bullet camera PRO series with IR of 30 m, for outdoors**
1/3" CMOS, 2 MP. Dual stream. 2MP resolution. 2,8 mm fixed lens (H: 110°, V: 56°). ICR. OSD, AWB, AGC, digital WDR, 3D-DNR, ROI, motion detection and privacy mask, mirror mode. Onvif. IP67, Lightning-proof 2KV. 3AXIS. 12V DC.

DAHUA-1249 **Starlight IP bullet camera PRO series with IR illumination of 60 m for outdoors**
1/2,8" CMOS, 2 MP. H.265+ / H.265 / H.264+ / H.264. Dual stream. 2MP resolution. 2,7 ~ 13,5 mm motorized lens (H: 106°~29°, V: 57°~17°). ICR filter. OSD, AWB, AGC, Real WDR 120dB, 3D-DNR, ROI, motion detection and privacy mask, mirror mode. MicroSD slot. Onvif. IP67, Lightning-proof 2KV. 3AXIS bracket. 12V DC

RECORDERS AND ANALOG CAMERAS

DAHUA-1456 **8 ch 5 in 1 XVR HDCVI/HDTVI/AHD/CVBS + 4 IP ch 6MP (added to BNC inputs)**
BNC inputs can become IP. H.265+/H.265/H.264+/H.264. 2 way audio. Playback: 8 ch 1080P. 48 Mbps. Recording: 4M-N, 1080P (15 fps), 1080N, 720P, 960H, D1, CIF (25 fps). HDMI and VGA at 1080P. IVS. facial detection. 1 HDD SATA up to 10TB. Onvif, CGI, P2P, DDNS. 2 USB. 12V DC.

DAHUA-1457 **8 ch 5 in 1 XVR HDCVI/HDTVI/AHD/CVBS + 4 IP ch 6MP (added to BNC input)**
BNC inputs can become IP. H.265+/ H.265/ H.264+/ H.264. 2 way audio. AudiO: 8 in / 1 out. 8 ch 1080P. 48 Mbps. Recording: 4M-N, 1080P (15 fps), 1080N, 720P, 960H, D1, CIF (25 fps). HDMI and VGA at 1080P. IVS. Facial detection. Alarm: 8 in / 3 out. 1 HDD SATA up to 10TB. RJ45 Fast Ethernet. Onvif, CGI, P2P, DDNS. 2 USB, 1 RS485. 12V DC.

DAHUA-1300 **CVI dome with Smart IR of 20 m for indoors**
1/2,7" CMOS, 2MP at 1080P. CVI output. 2,8 mm (90°) fixed lens. 0,02 lux. ICR filter. OSD, AWB, AGC, BLC, HLC, digital WDR, 2D-NR. Lightning-proof 4KV. 3AXIS. 12V DC. UTC.

DAHUA-697 **4 in 1 fixed dome CANNON series with IR illumination of 20 m, for indoors**
1/4" CMOS, 1MP @ 720P. 4 in 1 output (HDCVI / HDTVI / AHD / 960H) switch via SAM-3529. 2,8 mm (83,4°) lens. 0,05 lux. ICR. OSD, AWB, AGC, 2D-NR, digital WDR. 3AXIS. 12V DC. UTC.

DAHUA-1607 **4 in 1 StarLight bullet camera with Smart IR of 60 m for outdoors**
1/2,8" CMOS, 2MP at 1080P@25fps. 4 in 1 output (HDCVI / HDTVI / AHD / 960H) switch by DAHUA-498 controller. 2,7~12 mm motorized lens (101,7°~32,3°). 0,005 lux. ICR filter. OSD, AWB, AGC, BLC, HLC, digital WDR, 2D-NR. IP67. 3AXIS. 12V DC. UTC.

DAHUA-1498 **4 in 1 bullet camera PRO series with Smart IR of 20 m for outdoors**
1/2,7" CMOS, 2MP. 4 in 1 output (HDCVI / HDTVI / AHD / 960H) DIP switch. 2,8 mm (103°) fixed lens. 0,02 lux. ICR. OSD, AWB, AGC, BLC, HLC, digital WDR, 2D-NR. IP67. 3AXIS bracket. 12V DC.

The usual DOYSON now also with BLUETOOTH

Doyson incorporates in all its sound control modules the Bluetooth technology with no variation of its current size nor its features. Therefore, the Doyson audio systems give all facilities for music reproduction from your devices: Smartphone, Tablet, PC/MAC… It is undoubtedly the best choice to provide your home or business with the best technology.

CONTROL MODULE 1 stereo Channel 1,5+1,5W.
WITH BUILT-IN FM RADIO AND CONNECTION TO THE ELECTRONIC DOORPHONE AND TELEPHONE.
IR remote unit included.

S 130 FM

S 130 FM BT Ref. with BLUETOOTH

Features:
- LCD display
- Individual digital stereo FM tuner with 9 pre-set radio stations
- Auxiliary audio input
- Independent alarm clock
- Auto-on, auto-off and sleep setup
- General and individual calls into 128 zones
- Baby-phone monitoring function
- "Do not disturb mode"

Available colours: white, off-white, graphite and silver.
The references showed below do not include decorative frames.

Domotics Interfaces

ID 100

Electronic doorphone DOMOTIC INTERFACE

• For electronic analogic doorphone or video doorphone connection to sound control module.

ID 200

Telephone DOMOTIC INTERFACE

• For analogic landline connection to sound control module.

Control modules, now also with BLUETOOTH

1 Stereo channel control module with FM radio and microfone. 1.5+1.5W

S 100 FM
S 100 FM BT (Ref. with BLUETOOTH)

- LCD display
- Individual digital stereo FM tuner with 9 pre-set radio stations
- Auxiliary audio input
- Independent alarm clock
- Auto-on, auto-off and sleep setup
- General and individual calls into 128 zones
- Baby-phone monitoring function
- "Do not disturb mode"

2 Stereo channel control module with FM radio and microfone. 1.5+1.5W

S 200 FM
S 200 FM BT (Ref. with BLUETOOTH)

- LCD display
- Individual digital stereo FM tuner with 9 pre-set radio stations
- Auxiliary audio input
- Independent alarm clock
- Auto-on, auto-off and sleep setup
- General and individual calls into 128 zones
- Baby-phone monitoring function
- "Do not disturb mode"

3 Channel control module with stereo FM radio. 1.5W

S 300 FM
S 300 FM BT (Ref. with BLUETOOTH)

- LCD display
- Individual digital stereo FM tuner with 9 pre-set radio stations
- Auxiliary audio input
- Independent alarm clock
- Auto-on, auto-off and sleep setup
- Message override
- "Do not disturb mode"

1 Stereo channel control module with FM radio. 1.5+1.5W

S 10 FM
S 10 FM BT (Ref. with BLUETOOTH)

- Individual digital stereo FM tuner with 4 pre-set radio stations
- Channel / FM selector
- Auxiliary audio input
- Headphone socket
- Adjustable sleep function
- Message override

1 Stereo channel control module with microfone. 1.5+1.5W

S 100
S 100 BT (Ref. with BLUETOOTH)

- LCD display
- Auxiliary audio input
- Independent alarm clock
- Auto-on, auto-off and sleep setup
- General and individual calls into 128 zones
- Baby-phone monitoring function
- "Do not disturb mode"

4 Channel control module. 1.5W

S 400
S 400 BT (Ref. with BLUETOOTH)

- LCD display
- Auxiliary audio input
- Independent alarm clock
- Auto-on, auto-off and sleep setup
- Message override
- "Do not disturb mode"

1 Stereo channel control module. 1.5+1.5W

S 10
S 10 BT (Ref. with BLUETOOTH)

- Auxiliary audio input
- Headphone socket
- Adjustable sleep function
- Message override
- "Do not disturb mode"

4 Stereo channel control module. 1.5W

S 40
S 40 BT (Ref. with BLUETOOTH)

- Channel selector
- Auxiliary audio input
- Headphone socket
- Adjustable sleep function
- Message override
- "Do not disturb mode"

Control modules features

DOYSON

S 10

AUDIO CHANNELS: One

REF. WITH BLUETOOTH: S 10 BT

S 40

AUDIO CHANNELS: Four

REF. WITH BLUETOOTH: S 40 BT

S 100

AUDIO CHANNELS: One

REF. WITH BLUETOOTH: S 100 BT

S 400

AUDIO CHANNELS: Four

REF. WITH BLUETOOTH: S 400 BT

	S 10 BT	S 40 BT	S 100 BT	S 400 BT
IR receiver for DOYSON remote control unit				
Electronic doorphone function by means of ID100 interface				
Telephone function by means of ID200 interface				
Radio station show on display				
Individual digital stereo built-in FM tuner				
Upwards and downwards automatic scan				
Step by step manual scan				
Automatic adjustment of FM sensitivity				
Last radio station memory				
Pre-set radio station memories				
“Hands free” mode electret microphone			■	
General calls			■	
Individual calls up to 128 zones			■	
Last call memory			■	
Simultaneous listening of different “baby-phones” for monitoring			■	
Adjustment of incoming call volumen level	■	■	■	■
“Do not disturb” mode	■	■	■	■
Message override	■	■	■	■
Digital control of bass, treble and balance levels			■	■
Digital selection of stereo/mono mode			■	
Headphone socket	■	■		
Digital clock with LCD screen			■	■
Independent alarm clock for each room with alarm mode selector			■	■
AutoOn function programmable up to 99 minutes			■	■
1.5+1.5W stereo built-in amplifier	■		■	
Digital assignment of zone number	■	■	■	■
Auxiliary audio input	■	■	■	■
Minimum load impedance: 8 ohms	■	■	■	■
30-step digital volumen control	■	■	■	■
Volume level memory	■	■	■	■
Pre-set ideal volumen level	■	■	■	■
General system on/off from any control module	■	■	■	■
Automatic control of central unit built-in socket	■	■	■	■
Adjustable sleep function	60’	60’	99’	99’

S 10 FM

AUDIO CHANNELS: One

REF. WITH BLUETOOTH: S 10 FM BT

S 100 FM

AUDIO CHANNELS: One

REF. WITH BLUETOOTH: S 100 FM BT

S 200 FM

AUDIO CHANNELS: Two

REF. WITH BLUETOOTH: S 200 FM BT

S 300 FM

AUDIO CHANNELS: Three

REF. WITH BLUETOOTH: S 300 FM BT

S 130 FM

AUDIO CHANNELS: One

REF. WITH BLUETOOTH: S 130 FM BT

	S 10 FM BT	S 100 FM BT	S 200 FM BT	S 300 FM BT	S 130 FM BT
IR receiver for DOYSON remote control unit					■
Electronic doorphone function by means of ID100 interface					■
Telephone function by means of ID200 interface					■
Radio station show on display		■	■	■	■
Individual digital stereo built-in FM tuner	■	■	■	■	■
Upwards and downwards automatic scan	■	■	■	■	■
Step by step manual scan		■	■	■	■
Automatic adjustment of FM sensitivity	■	■	■	■	■
Last radio station memory	■	■	■	■	■
Pre-set radio station memories	Four	Nine	Nine	Nine	Nine
“Hands free” mode electret microphone		■	■		■
General calls		■	■		■
Individual calls up to 128 zones		■	■		■
Last call memory		■	■		■
Simultaneous listening of different “baby-phones” for monitoring		■	■		■
Adjustment of incoming call volumen level	■	■	■	■	■
“Do not disturb” mode		■	■	■	■
Message override	■	■	■	■	■
Digital control of bass, treble and balance levels		■	■	■	■
Digital selection of stereo/mono mode		■	■		■
Headphone socket	■				
Digital clock with LCD screen		■	■	■	■
Independent alarm clock for each room with alarm mode selector		■	■	■	■
AutoOn function programmable up to 99 minutes		■	■	■	■
1.5+1.5W stereo built-in amplifier	■	■	■		■
Digital assignment of zone number	■	■	■	■	■
Auxiliary audio input	■	■	■	■	■
Minimum load impedance: 8 ohms	■	■	■	■	■
30-step digital volumen control	■	■	■	■	■
Volume level memory	■	■	■	■	■
Pre-set ideal volumen level	■	■	■	■	■
General system on/off from any control module	■	■	■	■	■
Automatic control of central unit built-in socket	■	■	■	■	■
Adjustable sleep function	60’	99’	99’	99’	99’

All-in-one control module for business Sound + Home automation + Security

The S 1500 HOMEPLUS is much more than a simple sound control module. With a different format and a 3” touch screen we can enjoy all the functions of the Series S, and besides, to control any system or electrical device. It also allows you to connect sensors that will warn you of any unforeseen events.

- INDIVIDUAL DIGITAL STEREO BUILT-IN FM RADIO WITH RDS AND AUDIO CHANNEL SELECTOR
- HEADPHONE SOCKET AND AUXILIARY AUDIO INPUT
- DIGITAL CONTROL OF SOUND: BASS, TREBLE, BALANCE, ETC
- INTERCOMMUNICATION AND SIMULTANEOUS LISTENING OF DIFFERENT ZONES
- CONNECTION TO THE DOOR ELECTRONIC DOORPHONE WITH DOOR OPENING *by means of ID 100 interface
- CONNECTION TO TELEPHONE WITH RECEPTION AND DIALING PHONE CALLS *by means of ID 200 interface
- PROGRAMMABLE TIME FUNCTIONS AND ALARM CLOCK
- RELAY OUTPUTS WITH DAILY AND WEEKLY TIMER
- SECURITY WITH SENSOR INPUTS AND ALARM WITH WARNING CALL *by means of ID 200 interface
- STANDALONE SYSTEM WITH DIREC CONNECTION TO MAINS
- TOUCH SCREEN AND INTERACTIVE MENU WITH FUNCTIONS
- IR REMOTE UNIT. EXTRA-FLAT DESIGN IR REMOTE CONTROL UNIT

S 1500 HOMEPLUS

1 Stereo channel control module. 1.5+1.5W
Stereo FM radio with RDS + Touch screen +
IR remote control unit

Connection to electronic doorphone and telephone
Weekly timer and security functions
Compatible with Series S sound control modules
Dimensions: 182 x 124 x 6 mm

Audio kit with remote control unit for independent zones

The Doyson AUDIOROOM kit is a sound solution for independent zones. It is a FM tuner that can be hidden in the false ceiling and also easily and intuitively operated from an attractive and small remote control unit. This kit contains 2 low height aluminium grille 3.5” speakers, one of them with a built-in infrared transmitter/receiver.

AUDIOROOM

Digital stereo FM radio kit with IR remote unit and speakers for independent zones.

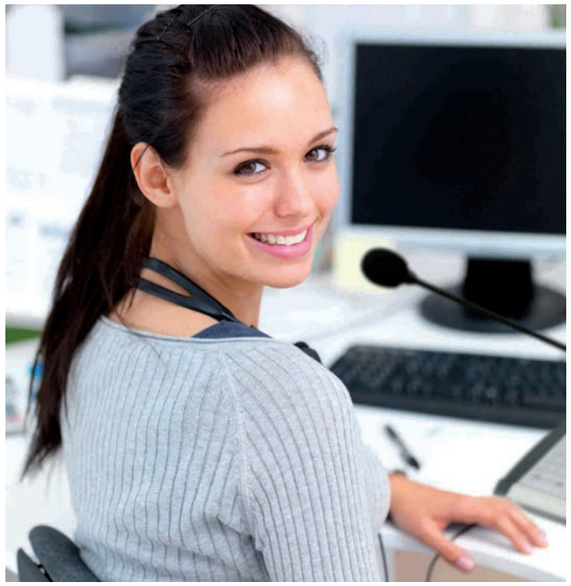
- Upwards and downwards automatic scan.
- 9 pre-set radio station memories.
- Digital control of bass, treble and balance.

Audio KIT content:

- Electronic module with built-in FM tuner, amplifier and power supply unit.
- Twin 3.5” speakers with low height aluminium grilles:
  10W RMS power.
  Nominal impedance 8Ω.
  Frequency response: 125-18.000Hz.
  Dim: Ø120x58 mm. Cut out: Ø100 mm. White color.
- Multifunction remote unit with backlit LCD display with two AAA batteries power supply.
- 5 meters of parallel cable for speaker connection.
- 0.80 meters of cable for aerial.
- Self-adhesive metal base for remote unit wall-mount.

Microphone desk
Commercial and public facilities

The CN 500 microphone desk allows general and individual zone calls up to 128 zones as well as calls to groups of zones. It also makes possible to make calls up to 2 zones with installation of public address system. It has a carillón with 9 selectable melidies and menú in several languages.



CN 5 FLUSH-MOUNT CONNECTION SOCKET

RJ45 socket for CN 500 microphone desk connection to the Series S sound system.
- Colours: White, graphite and silver.
- For standard Ø60 mm square flush-mount box.
- Dimensions: 90x90x32 mm.

ID 400

EVACUATION INTERFACE

Interface for Series S sound system connection to evacuation alarm systems. This device allows the alarm messages to be listened to through the Series S sound system speakers with priority over any other function.
- Power supply: 12 VDC. Stand-bu power consumption: 80 mA.
- Self-protected against electric overloads and short circuits.
- 4 units DIN rail box format. Dimensions: 71x90x58 mm.

DIGITAL MICROPHONE DESK CN 500

For calls up to 128 zones for Series S sound system.

- Two auxiliary outputs for messages to PA systems.
- Audio output (6,3 mm Jack)
- RJ 45 connection to DOYSON sound systems.
- Power supply: 12 VDC
- 38 cm gooseneck microphone.
  - Electret cardioid microphone capsule.
  - Red light ring.
  - Nominal impedance: 600_
  - Frequency range: 50-18 Khz.
  - Sensibility: -66 +/-4db @ 1Khz.
- Dimensions: 200 x 40 x 185 mm.

Central unit
Design & Technology

The system central unit combines design and technology. The audio connections have been carefully placed at one side of the unit so that the set looks smarter. All central units have automatic control of audio gain. And, most important, an energetic efficiency over 80% has been achieved, what contributes to energy saving and environment protection.

1 stereo program microprocessed central unit:

UC 100 S With 25W power supply unit. (Supports up to 10 stereo control modules).
UC 110 S With 60W power supply unit. (Supports up to 20 stereo control modules).

4 stereo program microprocessed central unit:

UC 400 S With 25W power supply unit. (Supports up to 10 stereo control modules).
UC 410 S With 60W power supply unit. (Supports up to 20 stereo control modules).

FA 12 Power supply unit for DIN rail box. 12 VDC. 2 Amp. 25W. For installation of control units with no connection to central unit. Dim. 35x93x56 mm.

FA 12 L Power supply unit for DIN rail box. 12 VDC. 1.25 Amp. 15W. For installation of control units with no connection to central unit. Dim. 25x93x56 mm.

FA 12 BI Power supply unit for standard square flush-mount box. 12 VDC. 0.42 Amp. For installation of single control unit with no connection to central unit. Dimensions: 42x40x22 mm.

FA 12 HS Power supply for module HS-120BT Dim. 82x99x30 mm 15V DC. 3,40 Amp. 51W

FA 12 M Power supply unit in plug format. 12 VDC. 0.45 Amp. Unit in plug format of small dimensions.

TECHNICAL SPECIFICATIONS:

- RCA audio input.
- Automatic control of audio gain.
- Built-in socket for connection of external audio sources. Maximum power consumption: 500W.
- Self-protected against electric overdoads and short circuits.
- Power supply 100 - 260 VAC +-10% - 50/60 Hz.
- Stand-by power consumption: 5.17W
- Operational power consumption (1 KHz, 8 ohm): 14.96W.

Note: The operational power consumption has been calculated assuming an average system with 6 control modules at full power.

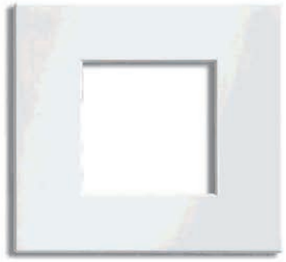
- Energetic efficiency: 78% - 82%.
- Output voltage: 12 VDC.
- Output current: 2.1 A.
- Dimensions: 235x155x81 mm.
- ABS front cover and zamak decorative trim.
- COLOURS: White, graphite and silver.

POWER SUPPLY UNITS

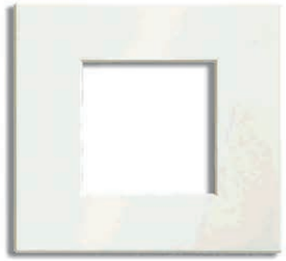
US 50 DIN rail box 60W power supply unit. 15 VDC.
Dimensions: 105x89x58 mm.

Front plates
Colour chart and finishes

With the variety of Doyson finishes, we can emphasize our background sound system if we wish, because we can make combinations matching with the rest of the DOYSON products.

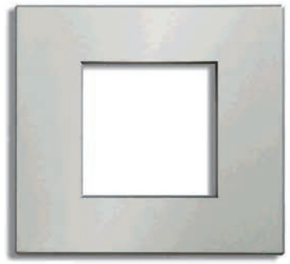


WHITE
F 100 Single front plate
F 200 Two gang front plate



OFF-WHITE
F 101 Single front plate
F 201 Two gang front plate

GRAPHITE
F 102 Single front plate
F 202 Two gang front plate



SILVER
F 103 Single front plate
F 203 Two gang front plate

Specials Colors

ANTHRACITE	CHAMPAGNE	BRONZE	WENGE	OAK	PINE	ORANGE	GREEN	BLUE
F 104 Single	**F 105** Single	**F 106** Single	**F 107** Single	**F 108** Single	**F 109** Single	**F 110** Single	**F 111** Single	**F 112** Single
F 204 Two gang	**F 205** Two gang	**F 206** Two gang	**F 207** Two gang	**F 208** Two gang	**F 209** Two gang	**F 210** Two gang	**F 211** Two gang	**F 212** Two gang

DOYSON Adapters

Series S for double boxes

AF 200 ABS adapter for one control module

AF 220 ABS adapter for Series S control module + SP 2 A speaker

AF 220 R ABS adapter with decorative grille for Series S control module

DOYSON adapters for switchgears

BJC

AURA Ref. **AS 300** MEGA Ref. **AS 300** CORAL Ref. **AS 301** IRIS Ref. **AS 300**

bticino

AXOLUTE Ref. **AS 318** LIVING-LIGHT Ref. **AS 320*** LUNA Ref. **AS 302**

*For Living-Light AIR ask manufacturer

EFAPEL

APOLO Ref. **AS 303** SIRIUS Ref. **AS 304** LOGUS Ref. **AS 317**

Available colours: white, off-white, graphite and silver

DOYSON adapters for switchgears

SM 180 Ref. **AS 305**

UNICA Ref. **AS 316**

Ref. **AS 316**

Special adaptation. Ask manufacturer

ARCO Ref. **AS 311**

OLAS Ref. **AS 312**

RESTYLO **DIRECTO**

A PLUS Ref. **AS 306**

A CREATION Ref. **AS 306**

A 500 Ref. **AS 306**

ZENIT Ref. **AS 302**

SKY Ref. **AS 315**

SERIE 75 Ref. **AS 314**

AS 500 Ref. **AS 306**

CD 500 Ref. **AS 307**

LS 990 Ref. **AS 308**

SERIE 82 / DETAIL Ref. **AS 315**

Serie 28 Ref. **AS 306**

Serie 100 Ref. **AS 321**

GALEA Ref. **AS 300**

SUNO Ref. **AS 309**

VALENA Ref. **AS 310**

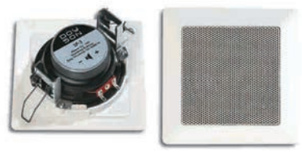
ELEGANCE Ref. **AS 306**

D. LIFE Ref. **AS 308**

DELTA / MIRÓ Ref. **AS 313**

OTHER BRANDS compatibles with adapter Ref. **AS 306: BERKER** Ref. S.1 / B.1 / B.3 / B.7 • **GIRA** Ref. SYSTEM 55 / STANDARD 55 / E2 / EVENT / ESPRIT • **MERTEN** Ref. I-M / ATELIER-M / M-SMART / M-STAR / M-PLAN / M-ARC

In-ceiling speakers with metal grille

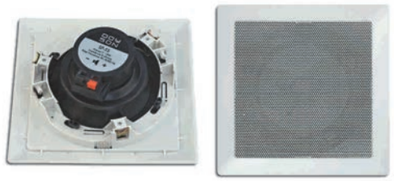


SP 4 3 1/2″ Speaker with square white metal grille.

- Power rating: 10W.
- Nominal impedance: 8Ω.
- Frequency response: 125Hz - 18kHz.
- Dimensions: 125x125x66 mm.
- Cutout: Ø105 mm.

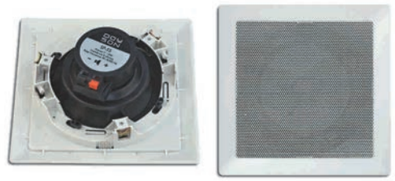
SP 8 8″ Speaker with white round metal grille.

- Power rating: 15W.
- Nominal impedance: 8Ω.
- Frequency response: 50Hz - 17kHz.
- Dimensions: Ø270x78 mm.
- Cutout dim: Ø240 mm.



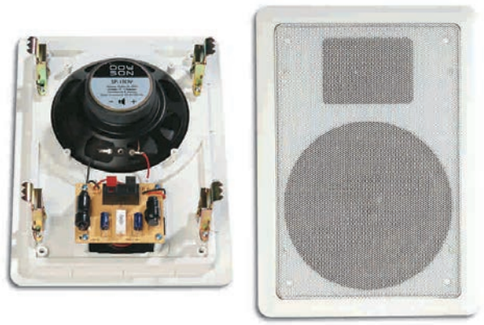
SP 55 5″ Speaker with square white metal grille.

- For DOYSON B5 flush-mount box*.
- Power rating: 15W.
- Nominal impedance: 8Ω.
- Frequency response: 90Hz - 18kHz.
- Dimensions: 185x185x60 mm. Cutout: Ø155 mm.



SP 55 DV 5″ Two-way speaker with square white metal grille.

- For DOYSON B5 flush-mount box*.
- Power rating: 15W.
- Nominal impedance: 8Ω.
- Frequency response: 90Hz - 18kHz.
- Dimensions: 185x185x60 mm. Cutout: Ø155 mm.



SP 15 DV 6″ Two-way speaker with rectangular white metal grille.

- For DOYSON B15 flush-mount box*.
- 6″ Woofer + Tweeter.
- Power rating: 25W.
- Nominal impedance: 8Ω.
- Frequency response: 80Hz - 20kHz.
- Dimensions: 215x305x77 mm.
- Cutout: 190x275 mm.

* Also for other manufacturer flush-mount boxes. Set of pressure claws for fixing to flush-mount box included.
To fasten into plaster ceilings or false ceilings, use set of springs GR10.

In-cealing speakers with ABS plastic grilles

SP 2 2″ Speaker for standard flush-mount box | SP 2 A 2″ Speaker for AF 220 adapter

- Power rating: 8W. • Nominal impedance: 8Ω.
- Frequency response: 150Hz - 16kHz.
- Dimensions: Ø50x39 mm.
- Available colours: White, off-white, graphite and silver.

SP 3 3 1/2″ Speaker with white ABS grille.

- Power rating: 10W.
- Nominal impedance: 8Ω.
- Frequency response: 125Hz - 18kHz.
- Dimenions: Ø120x66 mm.
- Cutout: Ø105 mm.

ASP 5 5″ active speaker with stereo amplifier.

ASP 5 DV 5″ Two-way active speaker with stereo amplifier.

- Special for RT 5 grilles.
- 10+10W / 20W integrated stereo/mono amplifier.
- Nominal impedance: 2Ω. • Frequency response: 90Hz - 18kHz.
- Dimensions: Ø132x70 mm.

SP 5 5″ speaker with rear protection enclosure.

SP 5 DV 5″ two-way speaker. 5″ Woofer + tweeter.

- Special for RT 5 grilles.
- Power rating: 15W. • Nominal impedance: 8Ω.
- Frequency response: 90Hz - 18kHz.
- Dimenions: Ø132x56 mm.

RT 5 Ref. white.
RT 5 G Ref. graphite.
RT 5 S Ref. silver.
RT 5 W Ref. wenge.
RT 5 R Ref. oak.
RT 5 P Ref. pine.

ABS grille for 5″ speakers (SP 5, SP 5 DV, ASP 5 and ASP 5 DV)

- This grilles are of direct fixation to B5 flush-mount box by means of supplied screws.
- To fasten this grilles into plaster ceilings or false ceilings, use set of springs GR10.
- For fixing to other 5″ speaker built-in boxes GR20 set of claw-screws is a must.
- Dimensions: Ø185x9 mm. Cutout: Ø150 mm

GR 10 Set of springs for 5″ grille. Special fixing system for plaster and false ceilings.

GR 20 Set of pressure claws for 5″ grille. Fixing systemfor 5″ flush-mount boxes of other manufacturers.

Cabinet Speakers

Two-way speaker cabinet. Woofer 3" + Tweeter 1". With metal grille.

DWX302/W White colour

DWX302/B Black colour

• Power rating: 30W RMS. • Nominal impedance: 8Ω.
• Frequency response: 60Hz - 20kHz.
• Dimenions: 199x129x120 mm.
U-bracket for wall-mount included.

DNEO 3 Pair of 2 1/2" speaker cabinet with aluminium grille. Black / white colour.

• Power rating: 50W RMS.
• Nominal impedance: 8Ω.
• Frequency response: 1Hz - 20kHz.
• Dimenions: 95x85x100 mm.
U-bracket for wall-mount included.

SP 20 DV Pair of 'extra-flat' cabinet speakers. Two-way system 5" Woofer + tweeter. With aluminium grille. White colour.

• Power rating: 20W RMS. • Nominal impedance: 8Ω.
• Frequency response: 200Hz - 19kHz.
Dimenions: 184x270x37 mm.

Accessories

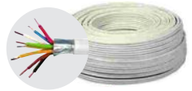
PA 10 10+10W stereo AMPLIFIER. 20W mono.
2Ω. Dim: 96x76x36,5 mm.

PA 20 20+20W stereo AMPLIFIER. 40W mono.
4Ω. Dim: 105x89x80 mm.

Halogen-free CABLE (100-meter rolls)

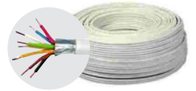
W2 Parallel
two-color 0.50 mm.

W8 threaded
2x1 mm. y 6x0.25mm.



W8P Shielded
2x1 mm. y 6x0.25mm.

W10 threaded
2x1 mm. y 8x0.25mm.



W10P Shielded
2x1 mm. y 8x0.25mm.

Cajas de superficie/empotrar y tapas

White ABS SURFACE MOUNT BOXES

SB 10 For Series S control module. Dim: 92x94x42mm.

SB 40 For Series S control module + 2" SP 2 A speaker. Dim: 165x91x42mm.

SURFACE MOUNT BOXES made of MDF BOARD. White and black colours.

SB 45 For desktop Series S control module.Dim: 147x88x81mm.

SB 50 For Series S central unit. Dim: 234x157x52 mm.

SB 55 For installation of Series S central units in flush-mount boxes of other manufacturers. Dim 289x157x16 mm

White ABS BLIND COVERS

TB 5 For for B 5 speakers flush-mount box. Dim: : Ø170x4 mm. Cutout: Ø145 mm.

TB 10 For B 10 standard Ø60mm flush-mount box. Dim: : 90x85x7 mm.

TB 40 For B 40 flush-mount box. Dim: 147x85x7 mm.

TB 50 For B 50 central unit flush-mount box. Dim: 200x130x4 mm.

FLUSH-MOUNT BOXES

B 3 In-cealing for SP 3 and SP 4 speakers. Dim: Ø122x67 mm

B 5 In-ceiling for 5" speakers. Dim: Ø166x88 mm.

B 10 Standard Ø60mm flush-mount box. For Series S control module or 2" speaker SP 2. Dim: 65x65x42 mm.

B 10 P Flush-mount box for hollow walls (Gyprock or similar). For Series S control module or 2" speaker SP 2. Dim: Ø68x46 mm.

B 15 For SP 15 DV speaker. Dim: 288x204x70 mm.

B 30 In-wall. For S 1500 HOMEPLUS control module. Dim: 170x115x50 mm.

B 40 Double flush-mount box. For installation of a set composed by Series S control module and 2" speaker SP 2 A. Dim: 145x67x42 mm.

B 40 P Double flush mount box for hollow walls (Gyprock or similar). For installation of a set composed by Series S control unit and 2" speaker SP 2 A. Dim: 136x68x42 mm.

B 50 Flush-mount box. For Series S central units. Dim: 200x130x60 mm.

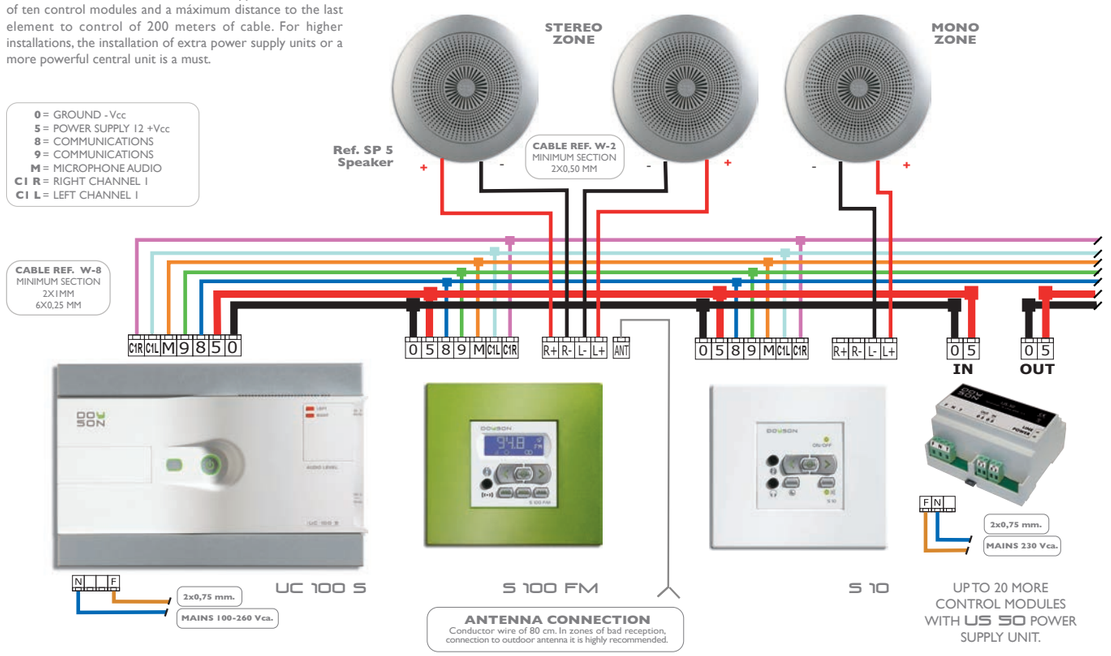
WIRING DIAGRAMS

SERIES S

DIAGRAM FOR 1 CHANNEL CONTROL MODULES

NOTE: The UC 100 S central unit supports a maximum of ten control modules and a máximum distance to the last element to control of 200 meters of cable. For higher installations, the installation of extra power supply units or a more powerful central unit is a must.

0 = GROUND - Vcc
5 = POWER SUPPLY 12 +Vcc
8 = COMMUNICATIONS
9 = COMMUNICATIONS
M = MICROPHONE AUDIO
C1 R = RIGHT CHANNEL 1
C1 L = LEFT CHANNEL 1

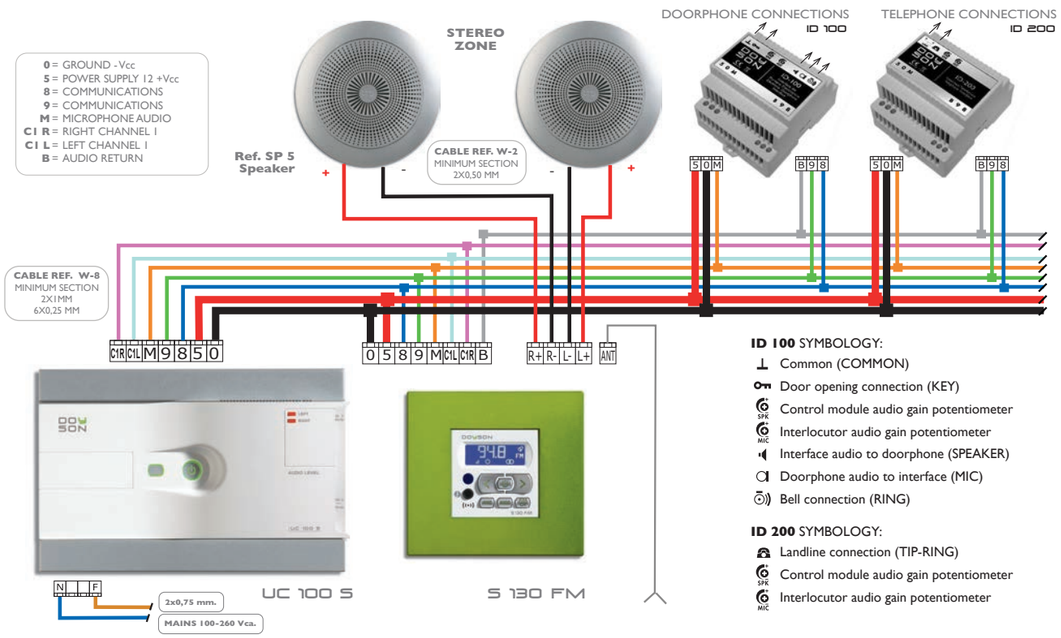


ANTENNA CONNECTION
Conductor wire of 80 cm. In zones of bad reception, connection to outdoor antenna it is highly recommended.

UP TO 20 MORE CONTROL MODULES WITH US 50 POWER SUPPLY UNIT.

DIAGRAM FOR S 130 FM, DOORPHONE AND TELEPHONE INTERFACE

0 = GROUND - Vcc
5 = POWER SUPPLY 12 +Vcc
8 = COMMUNICATIONS
9 = COMMUNICATIONS
M = MICROPHONE AUDIO
C1 R = RIGHT CHANNEL 1
C1 L = LEFT CHANNEL 1
B = AUDIO RETURN



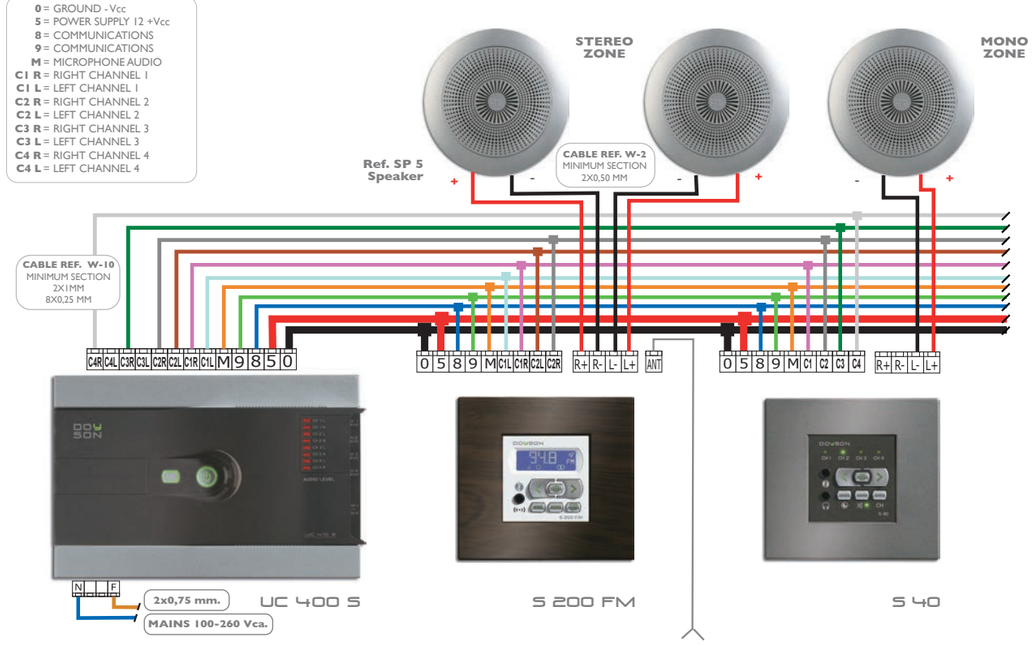
ID 100 SYMBOLOGY:
- Common (COMMON)
- Door opening connection (KEY)
- Control module audio gain potentiometer (SPK)
- Interlocutor audio gain potentiometer (MIC)
- Interface audio to doorphone (SPEAKER)
- Doorphone audio to interface (MIC)
- Bell connection (RING)

ID 200 SYMBOLOGY:
- Landline connection (TIP-RING)
- Control module audio gain potentiometer (SPK)
- Interlocutor audio gain potentiometer (MIC)

Note: "B" only must be connected when ID100 and ID200 interfaces are present on the sytem.

DIAGRAM FOR 4 CHANNEL CONTROL MODULES

0 = GROUND - Vcc
5 = POWER SUPPLY 12 +Vcc
8 = COMMUNICATIONS
9 = COMMUNICATIONS
M = MICROPHONE AUDIO
C1 R = RIGHT CHANNEL 1
C1 L = LEFT CHANNEL 1
C2 R = RIGHT CHANNEL 2
C2 L = LEFT CHANNEL 2
C3 R = RIGHT CHANNEL 3
C3 L = LEFT CHANNEL 3
C4 R = RIGHT CHANNEL 4
C4 L = LEFT CHANNEL 4



NOTE: The UC 400 S central unit supports a maximum of ten control modules and a máximum distance to the last element to control of 200 meters of cable. For higher installations, the installation of extra power supply units or a more powerful central unit is a must.

WIRING DIAGRAMS

SERIES S

DIAGRAM FOR CN 500 MICROPHONE DESK / EVACUATION INTERFACE

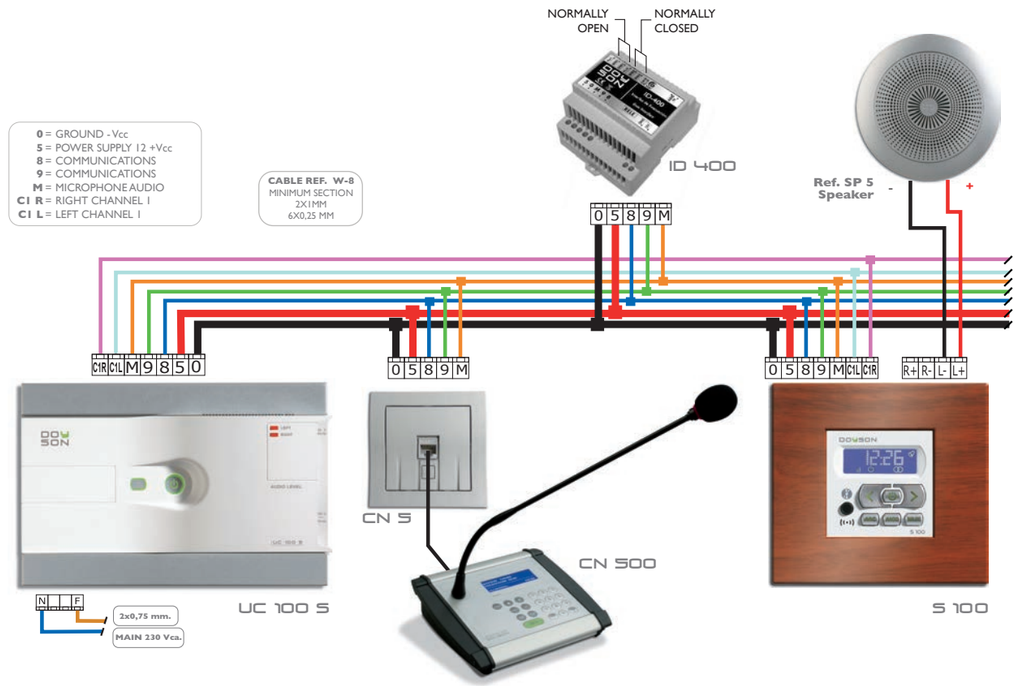
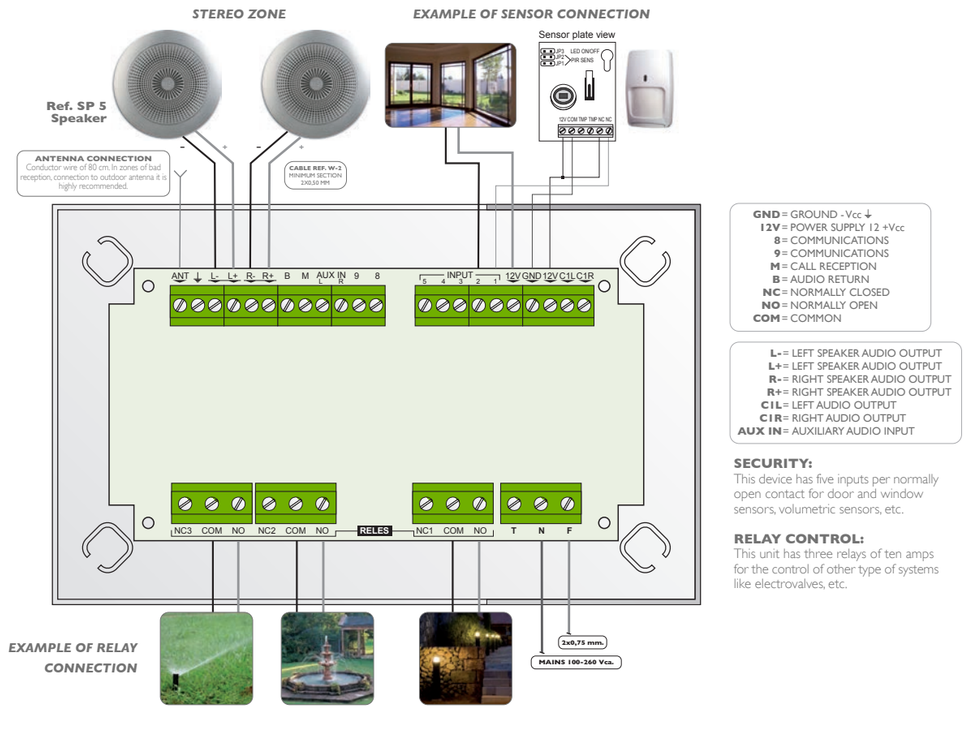


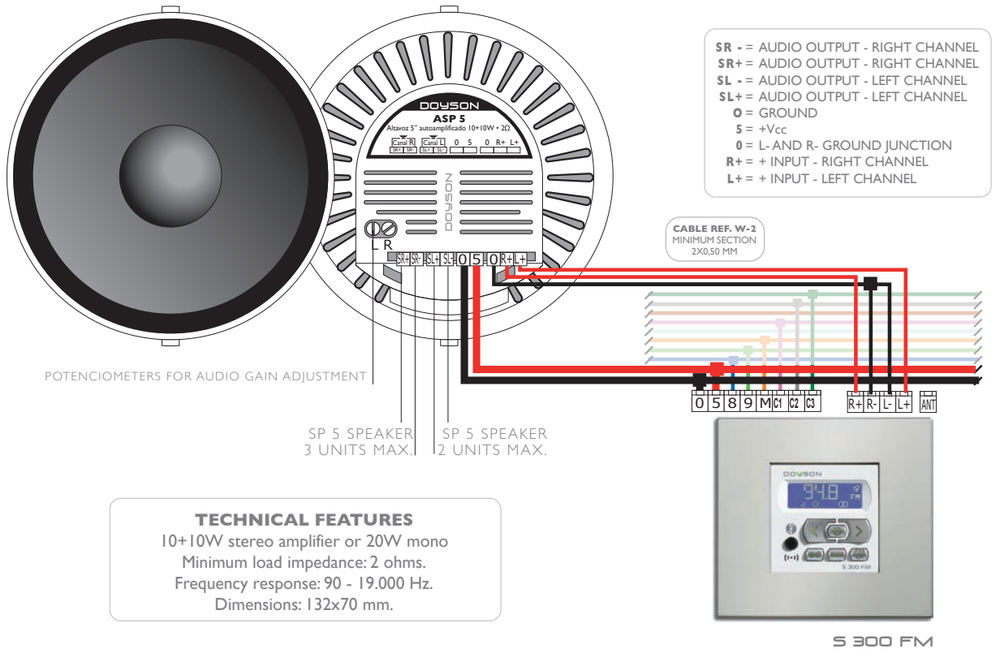
DIAGRAM FOR S 1500 HOMEPLUS CONTROL MODULE



SECURITY:
This device has five inputs per normally open contact for door and window sensors, volumetric sensors, etc.

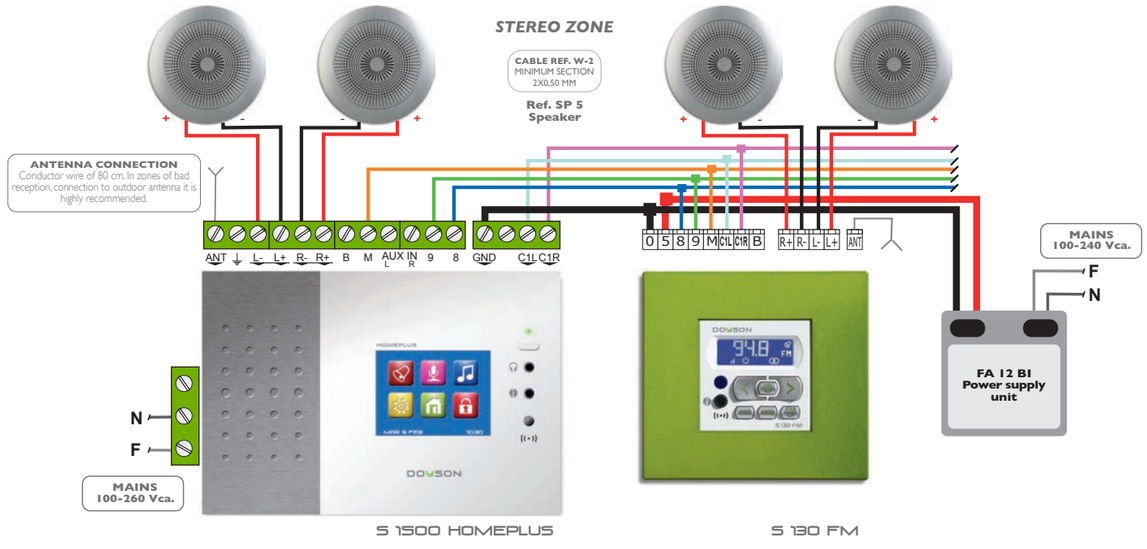
RELAY CONTROL:
This unit has three relays of ten amps for the control of other type of systems like electrovalves, etc.

DIAGRAM FOR ASP 5 / ASP 5 DV ACTIVE SPEAKERS AND PA 10 AMPLIFIER



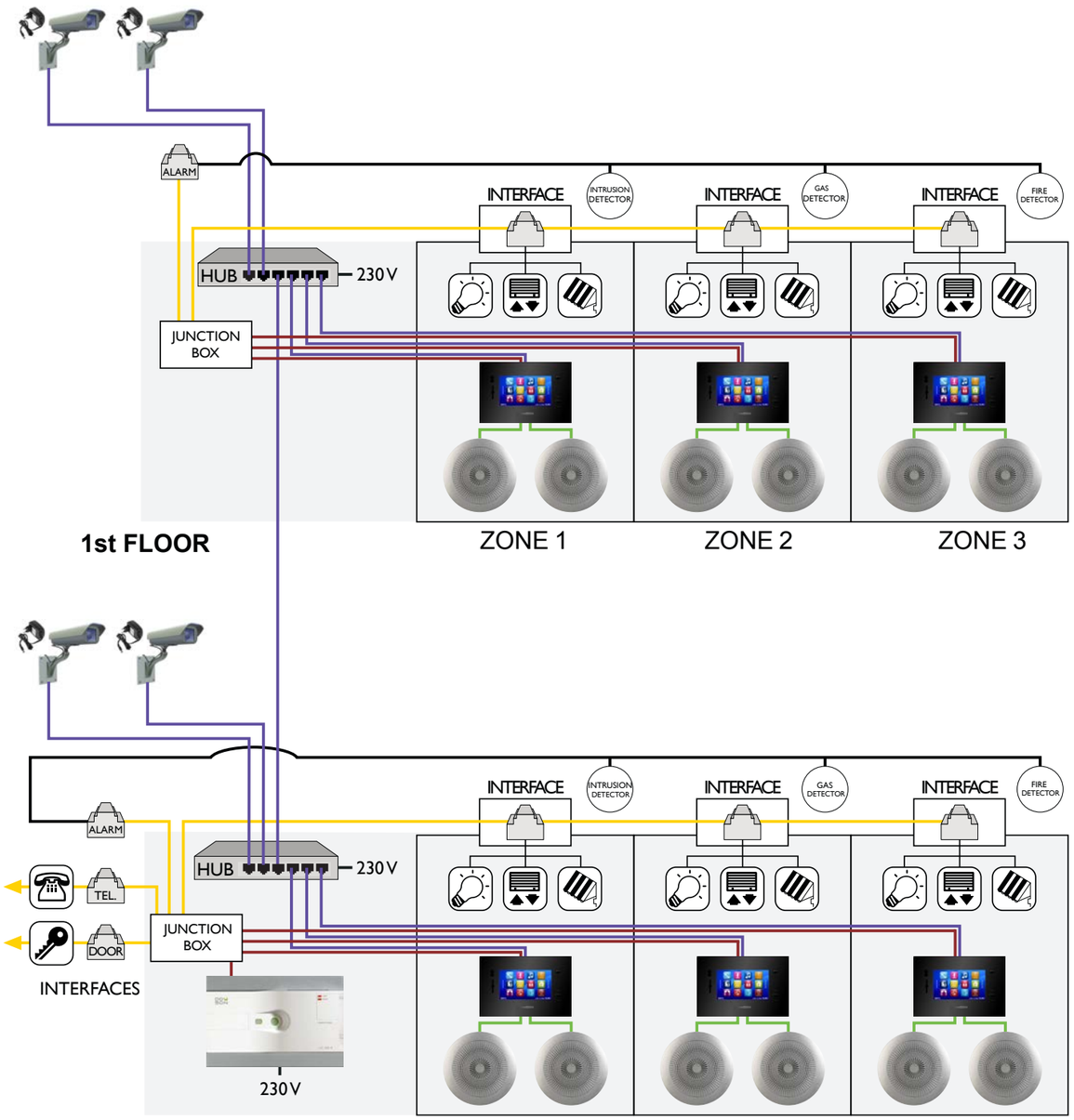
TECHNICAL FEATURES
10+10W stereo amplifier or 20W mono
Minimum load impedance: 2 ohms.
Frequency response: 90 - 19.000 Hz.
Dimensions: 132x70 mm.

DIAGRAM FOR S 1500 HOMEPLUS CONTROL MODULE WITH OTHER SERIES S CONTROL MODULES



SERIES D

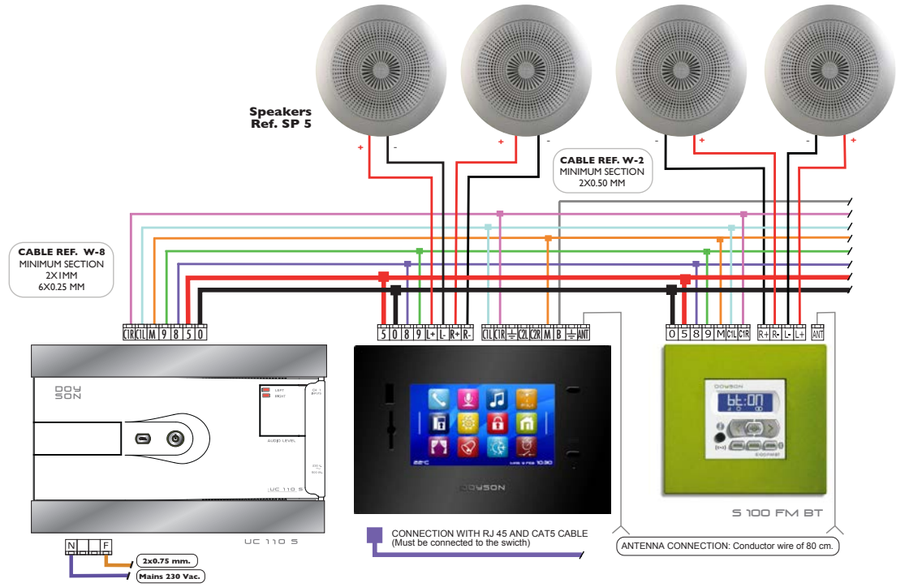
NEW SERIES D CABLING PRESCRIPTIONS



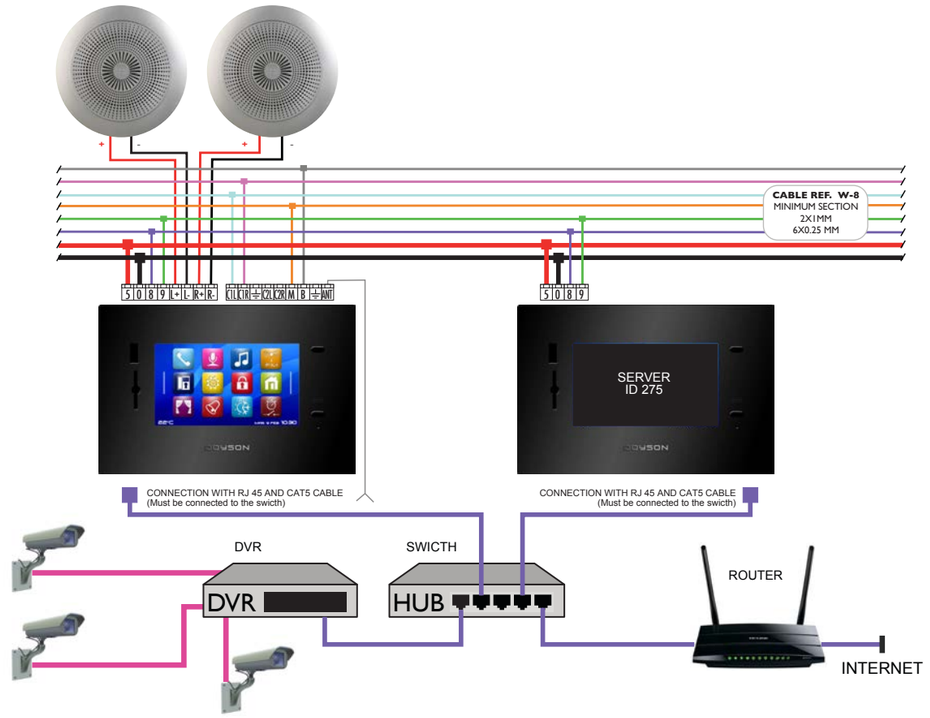
- UTP CAT5 CABLE
- W8 CABLE (2 X 1mm + 6 X 0.25 mm)
- W4 CABLE (4 X 0.25 mm)
- W2 CABLE (2 X 0.50 mm)
- CABLE NECESSARY FOR CONNECTING THE DIFFERENT DETECTORS

SERIES D

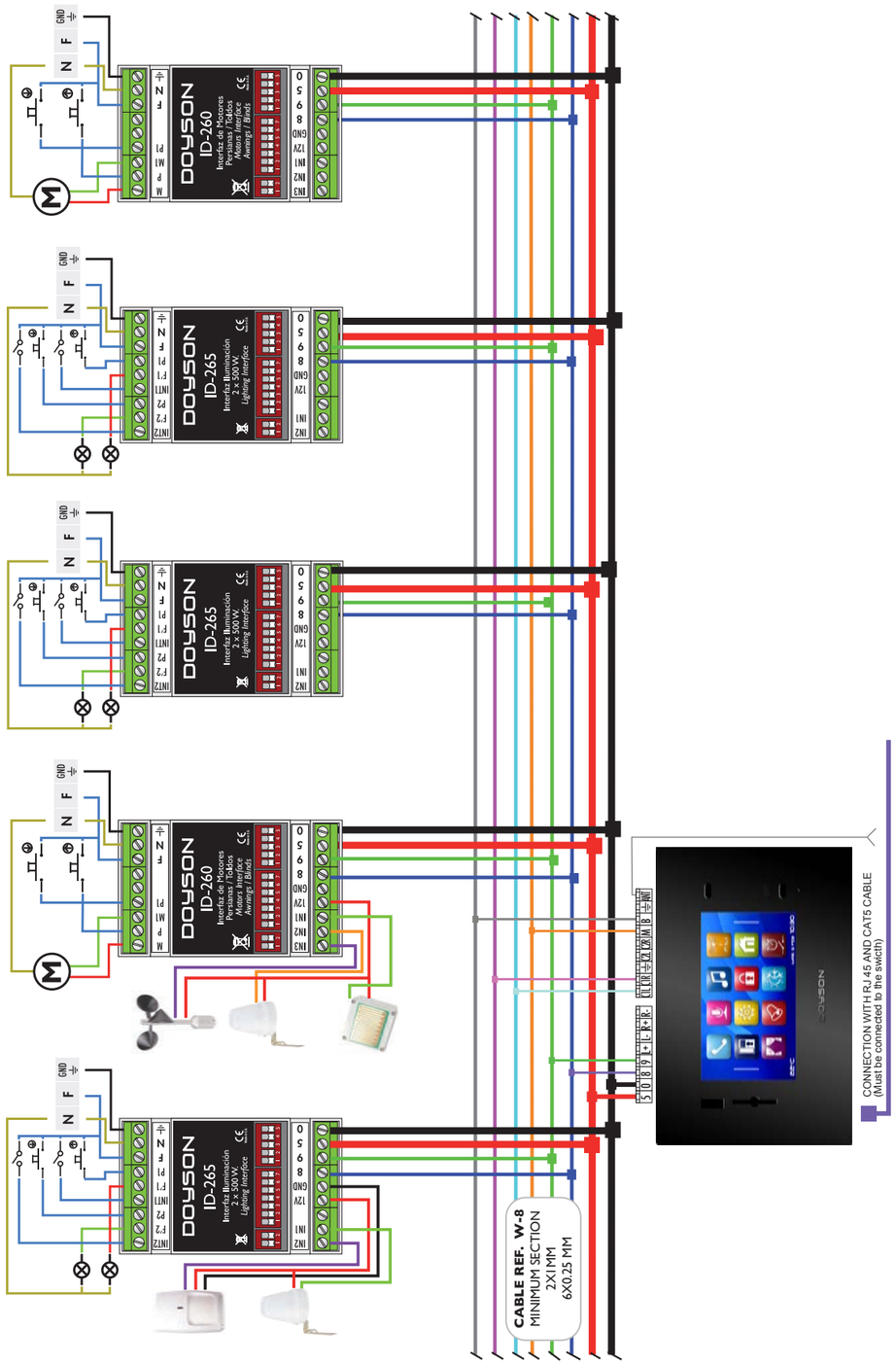
SERIES D WITH SERIES S CABLING PRESCRIPTIONS



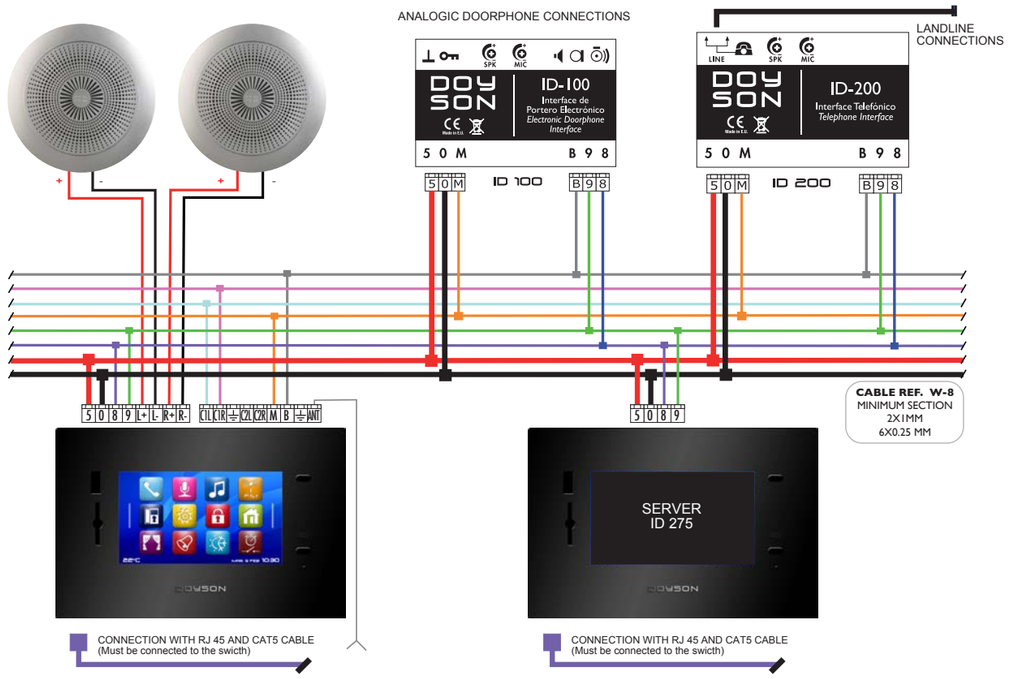
WIRING DIAGRAM FOR SERIES D WITH CCTV



SOUND AND HOME AUTOMATION WITH INTERFACES CABLING PRESCRIPTIONS



SERIES D WITH TELEPHONE AND ELECTRONIC DOORPHONE INTERFACES CABLING PRESCRIPTIONS



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