

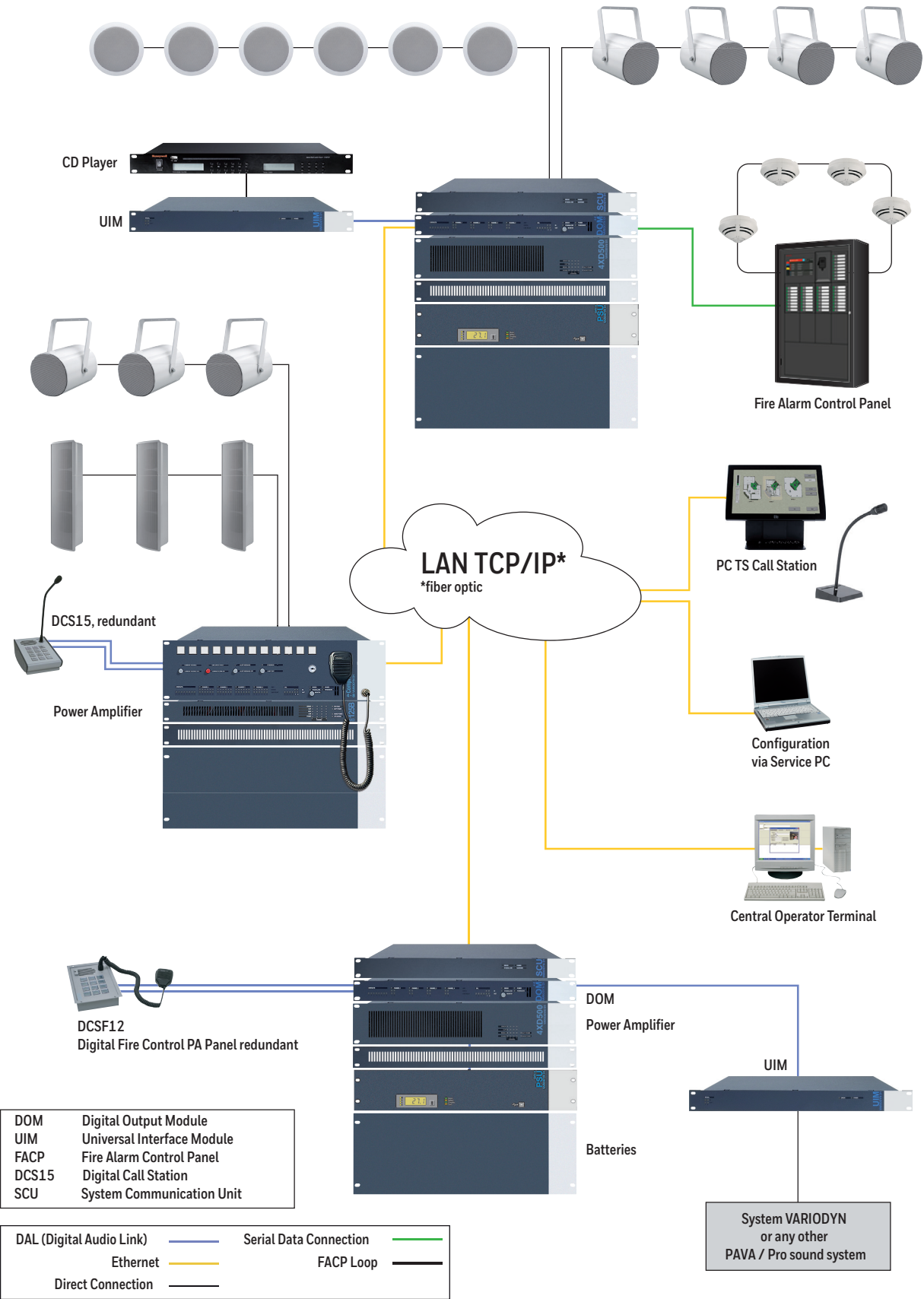
PUBLIC ADDRESS SYSTEMS

Trend-setting public address system for the most diverse applications.

VARIODYN D1

Honeywell

VARIODYN D1 SYSTEM OVERVIEW



583361.22.UL

Digital Output Module DOM4-8



Features

- UL 60950-1 listed
- Compliant with EN 60849 and EN 50849
- EN 54-16 certified
- 16 audio slots giving a total of 1 hour memory
- 4 independent amplifier channels suitable for use with spurs, zones or loop technology
- Built in parametric equalizer, compressor limiter and delay function (up to 9.9 seconds)
- All functions of an alarm and evacuation system
- Network into a large system via Ethernet connection
- Offers full monitoring of the system functions
- Automatic and dynamic switching to redundant emergency amplifiers
- Automatic volume control (AVC) even during announcements
- Remote monitoring and configuration via the network
- 24 VDC emergency power supply

The DOM (Digital Output Module) is the central control element of VARIODYN D1. It has interfaces to all input/output assemblies, administers, and monitors the loudspeaker circuits for voice alarm systems and electro-acoustic emergency warning system per EN 60849 and EN 50849. Large or complex system configurations can be implemented through the networking of multiple DOMs via Ethernet. The DOM offers a high level of automatic and constant monitoring as standard. All connected power amplifiers are permanently monitored by the DOM and if a power amplifier becomes faulty, it can be replaced dynamically by a backup amplifier or a backup amplifier channel. The switchover is done automatically by the DOM. The loudspeaker lines are permanently monitored for short circuit, ground fault, and failure as well as impedance deviation. Faulty loudspeaker zones are separated in a non-reacting manner. A DOM contains storage capacity for preset announcements, which can be used for alarm texts and signals (escape alarm, caution signal) and warning signals (gongs). The volume of each source and each amplifier channel can be controlled. Additional filters like parametric equalizer, high- and low pass filter are available. All errors are recognized, displayed and recorded within few seconds meeting the standards. For special applications such as e.g. tunnel, a delay in all four channels can be programmed up to 9.9 sec.

With the new firmware it is now possible to connect up to 400 units and get advantage of the new logical functions which makes it much easier and efficient to configure the DOM.

The control unit DOM4-8 is equipped with 4 independent amplifier channels in order to operate 8 loudspeaker areas or 4 loudspeaker circuits in VARIODYN D1 loop technology. There is also the option of mixing loop and spur technology with a DOM.

TECHNICAL DATA

Audio Output:

Output Type	Symmetrically
Nominal Level	0 dBu
Max. Output Level	< 6 dBu
Transmission Range	20 - 20000 Hz
Harmonic Distortion at Nominal Level	< 0.03 % @ 1 kHz
Signal/Noise Ratio	> 70 dB/75 dB(A)
Output Impedance	> 5 k Ω , < 500 pF

Sensor Input (AVC):

Input Type	Symmetrically
Nominal Level	-51 dBu
Nominal Level for Emergency Telephone Station	0 dBu
Transmission Range	100 - 8000 Hz
Harmonic Distortion at Nominal Level	< 0.02 % @ 1 kHz
Signal/Noise Ratio	> 60 dB/65 dB(A)
Load Impedance	typ. 200 Ω

Common Technical Data:

Rated Voltage	90 - 264 VAC
Rated Frequency	47 - 63 Hz
Emergency Power Supply	24 VDC
Power Consumption	40 / 70 W (@230 V, w/o / with 4 x DAL)
Contact Load Relay	100 V DC/1 A
Ambient Temperature	-5 - 55 °C
Air Humidity	15 - 90% (non-condensing)
Weight	Approx. 5.7 kg
Dimensions	W: 483 mm H: 44 mm D: 345 mm (1 HU, 19")
Declaration Of Performance	DoP-20997130701

ACCESSORIES

583451.21	Cable for cabinet rear panel DOM4-8
583486	Patch cable CAT5, 1 m yellow (Ethernet)
583487	Patch cable CAT5, 2 m yellow (Ethernet)
583488	Patch cable CAT5, 3 m yellow (Ethernet)
583496	End-of-line module (EOL)
581310	Measuring microphone for D1 AVC in a 5" recessed ceiling housing
581316	Microphone, for AVC
583703	Mounting set 1
583342	Loop Isolator Module
583708.HO	Ventilation panel 1 HU with Honeywell logo

583362.22.UL

Digital Output Module DOM4-24



Features

- UL 60950-1 listed
- Compliant with EN 60849 and EN 50849
- EN 54-16 certified
- 16 audio slots giving a total of 1 hour memory
- 4 independent amplifier channels suitable for use with spurs, zones or loop technology. Built in parametric equalizer, compressor limiter and delay function (up to 9.9 seconds)
- All functions of an alarm and evacuation system
- Network into a large system via Ethernet connection
- Offers full monitoring of the system functions
- Automatic and dynamic switching to redundant emergency amplifiers
- Automatic volume control (AVC) even during announcements
- Remote monitoring and configuration via the network
- 24 V DC emergency power supply

The DOM (Digital Output Module) is the central control element of VARIODYN D1. It has interfaces to all input/output assemblies, administers, and monitors the loudspeaker circuits for voice alarm systems and electro-acoustic emergency warning system per EN 60849 and EN 50849. Large or complex system configurations can be implemented through the networking of multiple DOMs via Ethernet. The DOM offers a high level of automatic and constant monitoring as standard. All connected power amplifiers are permanently monitored by the DOM and if a power amplifier becomes faulty, it can be replaced dynamically by a backup amplifier or a backup amplifier channel. The switchover is done automatically by the DOM. The loudspeaker lines are permanently monitored for short circuit, ground fault, and failure as well as impedance deviation. Faulty loudspeaker zones are separated in a non-reacting manner. A DOM contains storage capacity for preset announcements, which can be used for alarm texts and signals (escape alarm, caution signal) and warning signals (gongs). The volume of each source and each amplifier channel can be controlled. Additional filters like parametric equalizer, high- and low pass filter are available. All errors are recognized, displayed and recorded within few seconds meeting the standards. For special applications such as e.g. tunnel, a delay in all four channels can be programmed up to 9.9 sec.

With the new Firmware it is now possible to connect up to 400 units and get advantage of the new logical functions which makes it much easier and efficient to configure the DOM.

The control unit DOM4-24 is equipped with 4 independent amplifier channels in order to operate 24 loudspeaker areas or 4 loudspeaker circuits in VARIODYN D1 loop technology. There is also the option of mixing loop and spur technology with a DOM.

TECHNICAL DATA

Audio Output:

Output type	symmetrically
Nominal level	0 dBu
max. Output level	< 6 dBu
Transmission range	20 ... 20000 Hz
Harmonic distortion at nominal level	< 0.03 % @ 1 kHz
Signal/Noise ratio	> 70 dB/75 dB (A)
Output impedance	> 5 k Ω , < 500 pF

Sensor Input (AVC):

Input type	symmetrically
Nominal level	-51 dBu
Nominal level for emergency telephone station	0 dBu
Transmission range	100 ... 8000 Hz
Harmonic distortion at nominal level	< 0.02 % @ 1 kHz
Signal/Noise ratio	> 60 dB/65 dB (A)
Load impedance	typ. 200 Ω

Common Technical Data:

Rated voltage	90 ... 264 V AC
Rated frequency	47 ... 63 Hz
Emergency power supply	24 V DC
Power consumption	50 / 80 W (@230 V, w/o / with 4 x DAL)
Contact load relay	100 V DC/1 A
Ambient temperature	-5 °C ... 55 °C
Air humidity	15 ... 90 % (non-condensing)
Weight	approx. 6.8 kg
Dimensions	W: 483 mm H: 44 mm D: 349 mm (1 HU, 19")
Declaration of Performance	DoP-20997130701

ACCESSORIES

583452.21	Cable for cabinet rear panel DOM4-24
583486	Patch cable CAT5, 1 m yellow (Ethernet)
583487	Patch cable CAT5, 2 m yellow (Ethernet)
583488	Patch cable CAT5, 3 m yellow (Ethernet)
583496	End-of-line module (EOL)
581310	Measuring microphone for D1 AVC in a 5" recessed ceiling housing
581316	Microphone, for AVC
583703	Mounting set 1
583342	Loop Isolator Module
583708.HO	Ventilation panel 1 HU with Honeywell logo

583331.21

Universal Interface Module UIM



Features

- UL 60950-1 listed
- EN 54-16 certified
- Two analog audio inputs/outputs
- 48 contacts freely programmable as inputs and outputs
- Digital Audio link (DAL) to DOM

The universal interface module serves as the interface module of the VARIODYN D1 public address system for connecting two analog audio inputs, two analog audio outputs, as well as 48 control contacts. For eight control contacts, short-circuit and interruption monitoring can be activated.

The UIM is connected to the VARIODYN D1 module DOM via the DAL bus.

It digitizes two analog audio inputs, i.e. from a CD player or a hazard detection system, and transmits the digitized audio data to the VARIODYN D1 module DOM via the DAL bus. In order to transmit all played messages to an external device, for instance, two outputs are available as analog audio sources. The 48 contacts can serve as contact inputs or as contact outputs. This allows for an external control of the VARIODYN D1 system, and information about the status of the system is made available.

Technical Data

Audio Output:

Nominal level	0 dBu
Transmission range	20 ... 22000 Hz
Harmonic distortion at nominal level	< 0.05 %
Output impedance	200 Ω / 200 Ω (XLR / Cinch, potential free)

Audio Input:

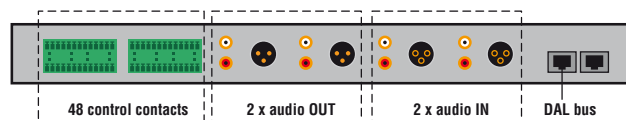
Nominal level	0 dBu
Transmission range	20 ... 22000 Hz
Harmonic distortion at nominal level	< 0.05 %
Load impedance	100 kΩ / 1 kΩ (XLR / Cinch, potentialfrei)

Common Technical Data:

Current consumption @ 24 VDC	< 150 mA
Inputs	max. 36 VDC
Outputs	36 VDC/50 mA
Ambient temperature	-5 °C ... 55 °C
Air humidity	15 ... 90 %
Weight	approx. 3.6 kg
Dimensions	W: 483 mm H: 44 mm D: 345 mm (1 HE, 19")
Declaration of Performance	DoP-20997130701

ACCESSORIES

583401.21	Signal cable 1.2 for UIM
583481	Patch cable CAT5, 1 m blue (DAL)
583482	Patch cable CAT5, 2 m blue (DAL)
583483	Patch cable CAT5, 3 m blue (DAL)
583703	Mounting set 1
583332	Overvoltage protection module for UIM-contacts



UIM rear view and front view

583527

Ethernet Touch Call Station



Features

- 7" touch screen and user friendly interface
- 4 bi-color LEDs for status indication
- A red button with cover for emergency announcement
- Replaceable electret gooseneck microphone with uni-directional pattern
- Loudspeaker for pre-listening audio locally and intercom between the call stations (ETCS and DCS series)
- High failure safety due to redundant transmission route
- Network cable via Ethernet
- Powered by PoE devices or external power adapter
- USB stick can be connected to play audio files
- Additional audio input/output for audio devices
- Max 3 key modules (DKM plus) which has 18 keys and 18 LEDs each can be extended
- Permanent monitoring of the microphone and cables
- Remote monitoring and configuration via the network
- Support multi-language display
- Three types of user permissions for different layouts and operations
- Speech or audio memory up to 27 h.
- Active call list, system fault list and recent call list can easily be checked in any page
- Support manual calls, pre-defined calls and schedule calls which can be set as home page
- Volume can be adjusted during the calls

ETCS adopts 7" touch screen for display and operation which provides a user-friendly interface. 4 bi-color LEDs are used for status indications which include microphone fault indication, system fault indication and connection states of two redundant cables. A red button with cover can be configured for emergency announcement. The gooseneck microphone is replaceable and monitored by ETCS. The loudspeaker can be used for pre-listening audio locally and intercom between the call stations.

ETCS is prepared for redundant cable connection to the Ethernet network. It can be powered by PoE devices through the Ethernet cable or with a power adapter. USB stick can be connected to ETCS to make it easy to play external audio files. ETCS provides an external audio input and output which can be used for connecting audio devices such as CD players. If more keys and/or LEDs are needed, it is possible to add up to three digital key modules (DKM plus, 583526).

ETCS can monitor the microphone and cables permanently. It can also be monitored and configured via the network. It supports multi-language display and the languages can be switched dynamically without resetting the device. It also supports playback the recent call quickly. There are three types of user permissions which can provide different layouts and operations for each user. Up to 27 h. speech or audio can be saved and played locally. Two icons are used to indicate if there is any call been activated or system fault been occurred. Active call list, system fault list and recent call list can easily be checked in any page.

ETCS supports manual calls or pre-defined calls or schedule calls as home page. For manual calls, after selecting the target zones and/or groups, four different audio sources can be selected which include USB stick audio, local storage audio, network audio and live announcement. For pre-defined calls, when the call is activated, it will directly play pre-recorded messages on target zones/groups which are all configured in advance by configuration tool. The call volume can be adjusted during the calls. For schedule calls, after configuring the call parameters and playback time, it will directly start at the specified time.

Technical Data

Power consumption	6 W	0 dBu
Transmission range	0 Hz ... 20.000 Hz	60 ... 22000 Hz
Ambient temperature	-5 °C ... 45 °C	0 dBu
Color	black, similar to RAL 9005	Electret, uni-directional
Weight	approx. 1,65 kg	400 mm
Dimensions	W: 200 mm D: 200 mm L: 49,4 mm	2W



A 3 m long CAT5 cable for connecting the digital communication unit to a wall jack, is included in delivery.

ACCESSORIES

- 583526 Digital key module DKM plus for ETCS
- 583396 Power over ethernet (PoE) switch

583502.RE

Digital Call Station DCS2 Redundant



As Part No. 583501.RE, however, with only one free configurable key, two LEDs, one microphone and one speaker. An additional audio input/output is not available with this device.

Technical Data

Ambient temperature	-5 °C... 55 °C
Air humidity	15 ... 90 %
Color	gray, similar to RAL 7037
Weight	approx. 1.6 kg
Dimensions	W: 123 mm H: 71 mm D: 180 mm
Declaration of Performance	DoP-20997130701



A 3 m long CAT5 cable for connecting the digital communication unit to a wall jack, is included in delivery.

ACCESSORIES

583507

Installation kit for redundant DCS

Features

- UL 60950-1 listed
- High failure safety due to redundant transmission route
- A light emitting diode, programmable in yellow or red
- Can be used redundantly as well as non-redundantly

583506

Digital Key Module DKM18 for Redundant Call Stations



Digital key module DKM18 with 18 freely configurable keys and 18 LEDs. Up to 6 of these DKM18 key modules can be connected to a redundant DCS15 or DCS2. This allows for redundant call stations with up to 120 keys and 120 LEDs. Only suitable for call stations with the .RE suffix. Please note this unit is not suitable for use with the older 58330X.21 call stations. If you need to replace or add a DKM to a 58330x.21 station please contact sales support.

Technical Data

Ambient temperature	-5 °C... 55 °C
Air humidity	15 ... 90 %
Color	gray, similar to RAL 7037
Weight	approx. 1.6 kg
Dimensions	W: 123 mm H: 71 mm D: 180 mm
Declaration of Performance	DoP-20997130701

ACCESSORIES

583507

Installation kit for redundant DCS

Features

- UL 60950-1 listed

583501.RE

Digital Call Station DCS15 Redundant



Features

- UL 60950-1 listed
- High failure safety due to redundant transmission route
- Cost-effective CAT5 cabling
- Elektret gooseneck microphone with cardioid pattern
- Permanent monitoring of the microphone and cable
- Loudspeaker for monitoring and for intercom operation between other paging stations (DCS series)
- 24-bit AD/DA converter
- Independent additional audio input/output e.g. for audioplayer
- 12 freely configurable keys with independent programmable LED
- A separate LED, programmable in yellow or red
- Can be used redundantly as well as non-redundantly

In many installation codes it is necessary to have redundancy in critical signal routes like speaker cables (Loop or AB cabling), between fire panel and the PAVA system. In some installation codes this includes also the connection to the fire men paging microphone. If the connection is lost, there is no way for any live announcement to people which are potentially or actually in high danger. Our paging station supports redundant cable connections to two separate Comprio with Ethernet (not standalone version of Comprio) or DOM. This means it is possible to connect two (CAT5) cables to one paging station providing redundant operation. For redundant operation, two cables (CAT5) connected to one paging microphone are needed. The digital paging microphone DCS15 RE serves for the selection of loudspeaker circuits and for setting off speech announcements as well as various gong or alarm sounds. It features 12 freely configurable keys, 13 LED's and a gooseneck microphone. The paging microphone is connected with our DAL (Digital Audio Link) bus to a Comprio or DOM by a standard CAT5 cable. All audio signals and all control signals are transmitted digitally. The function of the microphone of the digital paging microphone is permanently acoustically monitored. The DCS15 RE also provides an external audio input and output which can be used for connecting audio devices such as CD players. Up to four DAL bus links can be connected to a DOM. Every DCS in the system can simultaneously generate and receive different voice transmissions and control signals. A digital paging microphone can be offset up to 300 m by means of a CAT5 cable. Extension to a greater distance is possible with fiber optic (FO) cables - see respective FO converters which are needed additionally. A redundant connection with FO cables can be achieved. If more keys and/or LEDs are needed, it is possible to add up to six digital key modules (DKM18), which allows the increase of the total number of available keys and LEDs to 120 per call station.

TECHNICAL DATA

Audio Output:

Nominal level	0 dBu
Transmission range	20 ... 22000 Hz

Sensor Input (AVC):

Nominal level	0 dBu
---------------	-------

Common Technical Data:

Microphone	Elektret, cardioid characteristic
Swan-neck	250 mm
Loudspeaker	1 W
Sample rate	48 kHz
AD/DA converter	24 Bit
Current consumption	< 70 mA
Ambient temperature	-5 °C ... 55 °C
Air humidity	15 ... 90 %
Color	black, similar to RAL 9005 (side frames) gray, similar to RAL 7037 (middle body)
Weight	approx. 1.6 kg
Dimensions	W: 123 mm H: 71 mm D: 180 mm
Declaration of Performance	DoP-20997130701



The digital call station may be embedded in the surface of a table, for which a table mounting kit is required. In order to protect from unintentional key press, a transparent key cap is available. Pressing of keys is only possible with open caps. Each cap will protect three horizontal keys.

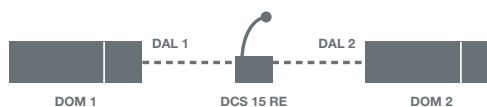


A 3 m long CAT5 cable for connecting the digital communication unit to a wall jack, is included in delivery.

ACCESSORIES

- | | |
|--------|---|
| 583506 | Digital push-button module DKM 18 for redundant call stations |
| 583311 | Keyboard protection for call station DCS VARIODYN D1 |
| 583507 | Installation kit for redundant DCS |
| 583318 | Substitute key caps (PU 12 pieces) |

Redundant Connection to Two DOMs*



Single Connection



583520

Digital Call Station DCS Plus



Features

- High failure safety due to redundant transmission route
- Cost-effective CAT5 cabling
- Electret gooseneck microphone with cardioid pattern
- Exchangeable gooseneck microphone with protection by using a specific tool to lock/unlock
- Permanent monitoring of the microphone and cable
- Mechanical protection against cable disconnection
- Build-in loudspeaker for monitoring and for intercom operation between other paging stations
- Independent additional audio input/output e.g. for audio player
- 12 freely configurable keys with independent programmable LEDs
- 24 V DC emergency power supply

The digital call station DCS plus allow the selection of loudspeaker circuits, the transmission of voice announcements as well as various gongs and alarms. The digital call station is connectable via a standard CAT5 cable to the VARIODYN D1 control devices DOM and Comprio. All control signals, up to four simultaneous audio signals and the power supply are transmitted. This connection can be done by single or redundant cabling up to 300 m away. It can be increased to 20 Kilometers by using fiber-optic cabling.

The digital call station DCS plus can be expanded with up to six digital keyboard modules DKM plus, whereby the total number of available keys and LEDs increases to 120 per communication station.

The function of the microphone and the cable connection is permanently monitored. The DCS plus provides an additional external audio input and output, which can be used to connect audio devices such as CD players. A 3 m long CAT5 cable to connect the digital call station to a wall jack is included.

TECHNICAL DATA

Nominal level	0 dBu
Transmission range	60 ... 22000 Hz
Nominal level	0 dBu
Microphone	Electret, uni-directional
Swan-neck	400 mm
Loudspeaker	2W
Sample rate	48 kHz
AD/DA converter	24 Bit
Current consumption	< 70 mA
Ambient temperature	-5 °C ... 55 °C
Air humidity	15 ... 95 %
Color	Black, similar to RAL 9005
Weight	approx. 1.42 kg
Dimensions	W: 200 mm H: 49.4 mm D: 200 mm



The Digital Call Station DCS plus may be embedded in the surface of a table.



A 3 m long CAT5 cable to connect the digital call station to a wall jack is included in delivery.

ACCESSORIES

583526 Digital Key Module DKM plus

Redundant Connection to Two DOMs*

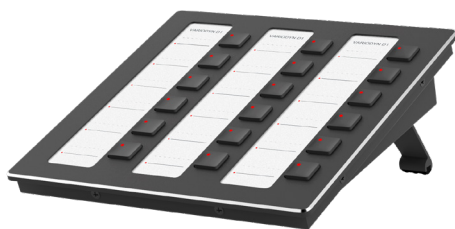


Single Connection



583526

Digital Key Module DKM Plus



Features

- Daisy chain cabling from DCS plus to one or more DKM plus
- Mechanical connection to DCS plus and further DKM plus

The Digital Key Module DKM plus offer 18 freely configurable keys and 18 LEDs. Up to six Digital Key Module DKM plus can be connected to a Digital Call Station DCS plus. This allows communication stations with up to 120 keys and 120 LEDs.

TECHNICAL DATA

Nominal level	0 dBu
Transmission range	60 ... 22000 Hz
Nominal level	0 dBu
Microphone	Electret, uni-directional
Swan-neck	400 mm
Loudspeaker	2W
Sample rate	48 kHz
AD/DA converter	24 Bit
Current consumption	< 70 mA
Ambient temperature	-5 °C ... 55 °C
Air humidity	15 ... 95 %
Color	Black, similar to RAL 9005
Weight	approx. 1.42 kg
Dimensions	W: 200 mm H: 49.4 mm D: 200 mm



The Digital Key Module DKM plus may be embedded in the surface of a table.

HN-PTT

Push-to-talk-Microphone



Technical Data

Impedance 500 Ω
Weight approx. 30 g

0 dBu
60 ... 22000 Hz

Features

- Push to talk microphone
- Superior voice reproduction
- User-friendly operation
- Durable construction
- Dynamic microphone
- Remote switching contact

5802XX.HO Series

580251.HO



580252.HO



580253.HO



Features

GENERAL

- A CLASS-D power amplifier with high efficiency and energy conservation
- Support 24V power supply backup
- Supports balanced or unbalanced audio input
- Able to automatically limit output voltage
- UL 60065 and CAN/CSA-C22.2 listed

580251.HO (Unique)

- Contains two independent channels

580252.HO (Unique)

- Effective ventilation using forced air cooling fan

580253.HO (Unique)

- Contains four independent channels

High Efficiency Power Amplifier

INPUT/OUTPUT

5802 Series supports both balanced and unbalanced audio inputs. To receive unbalanced audio inputs, simply connect the ground port with the negative input port to the rear panel.

FAULT DETECTION

5802 Series can self-protect from overheat, over current, over voltage and under voltage. For example, when the internal temperature reaches its critical limit, the overheat protection circuit will shut down the power amplification module and activate the protection indicator light on the front panel.

5802 Series can detect power supply errors automatically during operation. The built-in fuse will provide over current protection to the main power supply.

When a short circuit is detected in the main power supply circuit, the power will be automatically shut down. The backup power supply will then be enabled to replace the main one.

When a fault, self-protection or self-testing happens, its audio input fault port on the rear panel will short circuit and a fault signal will then be sent to the control unit in the network.

SAFETY

The device adopts lightweight design. A cooling fan is equipped for heat exhaustion so that the machine can maintain high working efficiency.

Technical Data

General (all 3 models)

Main power supply voltage	~ 100 - 240 V, 50/60 Hz
Backup power supply voltage	21.5V DC ~ 28.5V DC
Power consumption	< 700W
Main power supply protection	T10 AL 250 V
Speaker output voltage	100V / 70 V
Frequency response	50 Hz - 18 kHz (+1 dB ~ -3 dB)
Input sensitivity	0.775 V _{RMS}
Impedance	20 kΩ
SNR	> 100 dB (with A- Weight)
Non-linear distortion	< 0.1% (at 1/3 rated power, 1kHz)
Operating conditions	95 % humidity, 0 °C ~ +40 °C (0 ~ 104 °F) (no condensation)
Storage temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Cooling method	Air cooling
Product dimensions (W×H×D)	400 × 88 × 483 mm
Package dimensions (W×H×D)	489 × 186 × 568 mm

Model-Specific

	580251.HO	580252.HO	580253.HO
Nominal Output Power	2 × 250 W	1 × 500 W	4 × 125 W
Indicator lights	1 power indicator light 2 signal lights 2 peak clipping lights 2 equipment protection lights	1 power indicator light 1 signal lights 1 peak clipping lights 1 equipment protection lights	1 power indicator light 4 signal lights 4 peak clipping lights 4 equipment protection lights
Number of channels	2	1	4
Net weight	11.5 kg	10.6 kg	12.3 kg
Gross weight	14.0 kg	12.1 kg	13.9 kg

Ordering Info

Description	580251.HO	580252.HO	580253.HO
	High Efficiency Power Amplifier 2×250W	High Efficiency Power Amplifier 1×500W	High Efficiency Power Amplifier 4×125W

583651

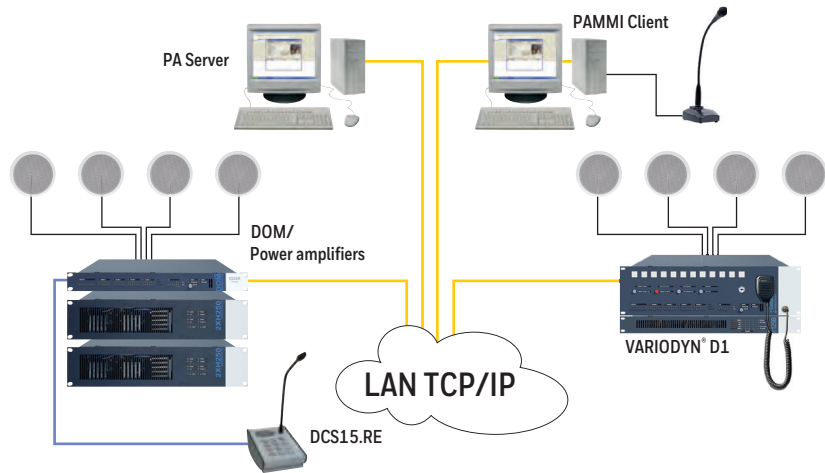
PAMMI Plus PA Server



Features

- Supports to stream audio into VARIODYN D1
- Checking and monitoring of alarms and evacuation
- Checking and monitoring of announcements and other audio notifications, scheduling of announcements
- Interface to further functions in the facility
- Display and checking of system status of the VARIODYN D1 system
- Software license including USB-Dongle

The PAMMI Plus server applications is the core of the VARIODYN D1 PAMMI Plus Management System. It realises system control and communication with the components of the VARIODYN D1 voice alarm system and the PAMMI Plus client via Ethernet. The PAMMI Plus server manages and controls, for instance, the announcements and audio information of various PAMMI clients, the timed information. Furthermore, it is often possible to incorporate other systems in the object, such as flight control systems, person information systems, train traffic control systems, or text-to-speech systems into the PAMMI Plus Management System. Apart from our current VARIODYN D1 voice alarm and public address system, existing VARIODYN D1 3000 systems can obviously be incorporated as well. Here too, we are fully backward compatible. Parallel to the PAMMI Plus server, an additional PC can be operated in hot standby mode, to which one can switch, if necessary. This means that we have a fully redundant solution with optimal failure safety.



583652

PAMMI Plus Client



Features

- Supports to stream audio into VARIODYN D1
- Graphical User Interface
- Checking and monitoring of alarms and evacuation
- Management and control of announcements and other audio information, timing of announcements
- Volume and sound control
- Zone selection
- Logbook for documentation of the listed functions
- Display and checking of system status of the VARIODYN D1 system
- Software license including USB-Dongle

PAMMI Plus client Application is a PC workstation with which the input can be made in PAMMI Plus and the information can be retrieved. PAMMI Plus client is the graphical user interface or the operating station. PAMMI Plus client is connected with PAMMI Plus Server via Ethernet and can be set up in a customer specific way. Many PAMMI Plus clients can be operated with one PAMMI Plus server.

In connection with the call station of VARIODYN D1 system, live announcements and buffered messages with the PAMMI Plus clients can be released or controlled. Thus, the user can e.g. narrate, save and control the message. After controlling, the message can be then be released. This prevents the danger of false announcements or live announcements of bad quality.

583653

PAMMI Plus Server/Client

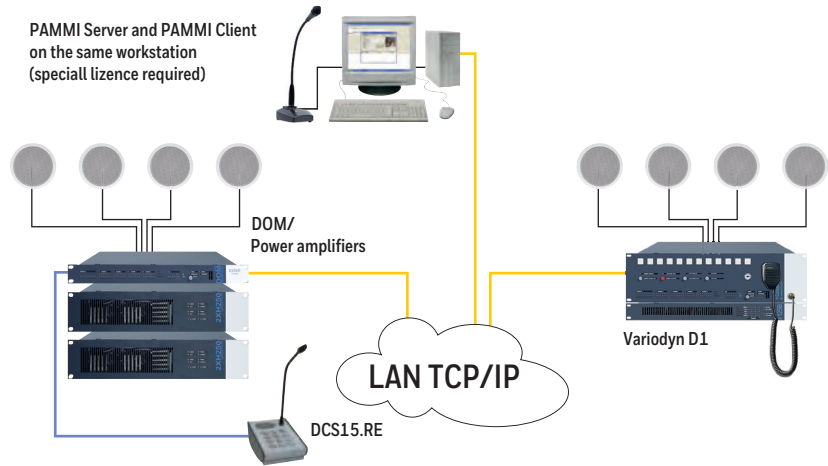


Combination of PAMMI Plus server (Part No. 583651) and client software (Part No. 583652), so that the entire PAMMI Plus Management System can be operated with full functionality on a PC.

This software includes the complete functionality of PAMMI Plus server (Part No. 583651) and client (Part No. 583652). Software license including USB-Dongle.

Features

- Supports to stream audio into VARIODYN D1
- Graphical User Interface
- Checking and monitoring of alarms and evacuation
- Management and control of announcements and other audio information, timing of announcements
- Volume and sound control
- Zone selection
- Logbook for documentation of the listed functions
- Display and checking of system status of the VARIODYN D1 system
- Software license including USB-Dongle



583654

PAMMI Plus Client / Server Light



The combination of the Pammi Plus Server (Reference 583651) and the Pammi Plus Client (Reference 583652) makes it possible to have all the functionalities of the Pammi Plus management system on a single management station. This software includes all the functionality of the Pammi Plus server (Reference 583651) and client (Reference 583652). However, it is limited to the connection of 10 DOM / Comprio maximum. It includes the license as well as the USB Dongle.

Features

- Support for audio streams to the Variodyn D1 system
- Control and monitoring of alarms and evacuation
- Control and monitoring of announcements and other audio messages, broadcast times
- Graphical user interface
- Variodyn D1 system status display and verification
- Volume settings control
- Zone selection
- Software license, including USB dongle

583560

PC Touch Screen Call Station



Features

- Zero-bezel model provides a seamless, edge-to-edge design for a sleek appearance that is easy to clean and provides maximum display space
- Pure glass touchscreen for optimal picture quality is factory sealed to resist spills, dust and grease
- Durable to withstand the rigors of use in a public environment
- Dynamic gooseneck microphone with on/off switch
- Sennheiser CL2- line cable between Call Station and Microphone

An elegant touch screen solution, designed for use in front of house environments or complex buildings. Combined with the PAMMI plus software the user has an intuitive tool for creating announcements with graphical display of the site and zones. The sleek yet durable call station delivers a 15-inch touchscreen, Intel Celeron dual-core processor, 2 GB RAM and 320 GB storage. Designed to fit on top of an office desk, reception desk, information desk or gate desk.

With no moving parts to wear out, touch response is fast, accurate, and drift free using a finger or soft stylus. Pure glass construction allows high light transmission, ensuring good visibility in bright light environments, without compromising durability or functionality.

The first class gooseneck microphone with cardioid characteristics is perfect for noisy environments. With the high grade cable it is possible to place the microphone remotely from the call station hardware, allowing for the user to create a comfortable working environment.

Technical Data

Ambient temperature	0 °C ... 35 °C
Air humidity	20 ... 80 %
Weight	approx. 7.3 kg

 Intel Celeron Processor, Intel HD Graphics, 2 GB RAM, Windows POS Ready OS, 1 x line out, 2 x line in, 1 x Gigabit LAN

ACCESSORIES

583654	PAMMI Plus small installations
583565	Dynamic swanneck microphone

583565

Dynamic Microphone with Gooseneck



Suitable for control desks, table- or wallmounting. Microphone capsule protected against structure-born sound.

Technical Data

Ambient temperature	-30 °C ... 60 °C
Air humidity	< 93 %
Housing	Metal / Plastic
Weight	approx. 400 g
Dimensions	W: 150 mm H: 300 mm D: 150 mm

VARIODYN D1

Notes

For more information

hwl.co/Notification

Honeywell International, Inc.

12 Clintonville Road
Northford, CT 06472
203.484.7161
www.honeywell.com

Doc | A | 05/20
© 2020 Honeywell International Inc.

Honeywell