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

VARIODYN D1
VARIODYN D1
SYSTEM OVERVIEW

CD Player
UIM
DCS15, redundant
Power Amplifier
DOM Digital Output Module
UIM Universal Interface Module
FACP Fire Alarm Control Panel
DCS15 Digital Call Station
SCU System Communication Unit

Power Amplifier
DOM
Batteries
System VARIODYN or any other PAVA / Pro sound system

LAN TCP/IP*
*fiber optic

Fire Alarm Control Panel
Central Operator Terminal
PC TS Call Station
Configuration via Service PC

DOM Digital Fire Control PA Panel redundant

DAL (Digital Audio Link) Serial Data Connection FACP Loop
Ethernet Direct Connection
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:
- **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 kΩ, < 500 pF

#### Sensor Input (AVC):
- **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:** 40 / 70 W (230V, w/o / with x 4 DAL)
- **Contact Load Relay:** 100 VDC/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
- 583456 Patch cable CAT5, 1 m yellow (Ethernet)
- 583467 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
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 systems 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 kΩ, < 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**
- 58345221: Cable for cabinet rear panel DOM4-24
- 583446: Patch cable CAT5, 1 m yellow (Ethernet)
- 583447: Patch cable CAT5, 2 m yellow (Ethernet)
- 583448: Patch cable CAT5, 3 m yellow (Ethernet)
- 583446: 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
- 583708HO: Ventilation panel, 1 HU with Honeywell logo
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.

### 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

### 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, potentialfree)

#### Common Technical Data:
- Current consumption @ 24 V DC: < 150 mA
- Inputs: max. 36 V DC
- 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 I2 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

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![UIM rear view and front view](image-url)
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.

**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

**Technical Data**
- Power consumption: 6 W
- Transmission range: 0 Hz ... 20,000 Hz
- Ambient temperature: -5 °C ... 45 °C
- Color: black, similar to RAL 9005
- Weight: approx. 1.65 kg
- Dimensions: W: 200 mm D: 200 mm L: 49.4 mm

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

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Ambient temperature</td>
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</tr>
<tr>
<td>Air humidity</td>
<td>15 ... 90 %</td>
</tr>
<tr>
<td>Color</td>
<td>gray, similar to RAL 7037</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 1.6 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W: 123 mm H: 71 mm D: 180 mm</td>
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<tr>
<td>Declaration of Performance</td>
<td>DoP-20997130701</td>
</tr>
</tbody>
</table>

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

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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**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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</thead>
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<tr>
<td>Ambient temperature</td>
<td>-5 °C ... 55 °C</td>
</tr>
<tr>
<td>Air humidity</td>
<td>15 ... 90 %</td>
</tr>
<tr>
<td>Color</td>
<td>gray, similar to RAL 7037</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 1.6 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W: 123 mm H: 71 mm D: 180 mm</td>
</tr>
<tr>
<td>Declaration of Performance</td>
<td>DoP-20997130701</td>
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</tbody>
</table>

**ACCESSORIES**

- 583507 Installation kit for redundant DCS

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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

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Features

- UL 60950-1 listed
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

**Digital Call Station DCS15 Redundant**

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 firemen 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

**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**

- **DOM 1**
- **DOM 2**
- **DOM**
- **DOM**
- **DAL**
- **DAL**
- **DAL**
- **DAL**

**Single Connection**

- **DOM 1**
- **DOM 2**
- **DOM**
- **DOM**
- **DAL**
- **DAL**
- **DAL**
- **DAL**

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.
**Digital Call Station DCS Plus**

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.

**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

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Nominal level</td>
<td>0 dBu</td>
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<tr>
<td>Transmission range</td>
<td>60 ... 22000 Hz</td>
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<tr>
<td>Nominal level</td>
<td>0 dBu</td>
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<tr>
<td>Microphone</td>
<td>Electret, uni-directional</td>
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<tr>
<td>Swan-neck</td>
<td>400 mm</td>
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<td>Loudspeaker</td>
<td>2W</td>
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<td>Sample rate</td>
<td>48 kHz</td>
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<td>A/D/OA converter</td>
<td>24 Bit</td>
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<td>Current consumption</td>
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<td>Dimensions</td>
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**ACCESSORIES**

583526 Digital Key Module 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.

**Features**

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

**Digital Key Module DKM Plus**

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

HN-PTT Push-to-talk-Microphone

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

Technical Data

<table>
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<th>Feature</th>
<th>Specification</th>
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<td>Impedance</td>
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<td>Weight</td>
<td>approx. 30 g</td>
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<td>Articulation</td>
<td>60...22000 Hz</td>
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<tr>
<td>Sensitivity</td>
<td>0 dBu</td>
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</table>
5802XX.HO Series

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.

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

Technical Data

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<td>Nominal Output Power</td>
<td>2 x 250 W</td>
<td>1 x 500 W</td>
<td>4 x 125 W</td>
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<td>Indicator lights</td>
<td>1 power indicator light</td>
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<tr>
<td></td>
<td>2 signal lights</td>
<td>1 signal lights</td>
<td>4 signal lights</td>
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<td></td>
<td>2 peak clipping lights</td>
<td>1 peak clipping lights</td>
<td>4 peak clipping lights</td>
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<td></td>
<td>2 equipment protection lights</td>
<td>1 equipment protection lights</td>
<td>4 equipment protection lights</td>
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<tr>
<td>Number of channels</td>
<td>2</td>
<td>1</td>
<td>4</td>
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<td>Net weight</td>
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<td>Gross weight</td>
<td>14.0 kg</td>
<td>12.1 kg</td>
<td>13.9 kg</td>
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Ordering Info

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<tr>
<th>Description</th>
<th>580251.HO</th>
<th>580252.HO</th>
<th>580253.HO</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Efficiency Power Amplifier 2 x 250W</td>
<td>High Efficiency Power Amplifier 1 x 500W</td>
<td>High Efficiency Power Amplifier 4 x 125W</td>
<td></td>
</tr>
</tbody>
</table>
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.

**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

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.

**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
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

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.
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.

**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

**Technical Data**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature</td>
<td>0 °C ... 35 °C</td>
</tr>
<tr>
<td>Air humidity</td>
<td>20 ... 80 %</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 7.3 kg</td>
</tr>
</tbody>
</table>

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 microphone with Gooseneck

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

**Technical Data**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature</td>
<td>-30 °C ... 60 °C</td>
</tr>
<tr>
<td>Air humidity</td>
<td>&lt; 93 %</td>
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<tr>
<td>Housing</td>
<td>Metal / Plastic</td>
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<tr>
<td>Weight</td>
<td>approx. 400 g</td>
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<tr>
<td>Dimensions</td>
<td>W: 150 mm H: 300 mm D: 150 mm</td>
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</table>