

KL MED-C

Nurse calling system with speaker connection

A state of the art nurse calling system with speaker connection, flexible functions and possibilities.

The **KL MED-C** nurse calling system, apart from the sound and light signals, provides a speaker connection between the nurse and the calling point. Installation of this system is advised for those places, where there is demand for high quality service, speaker connection between the nurse and patients in order to facilitate the nurse's work, and other flexible functions.

Principal usages of the nurse calling system: In general hospital rooms, intensive care, VIP hospital rooms, high quality social or old people's homes.

The advantages of the **KL MED-C** nurse calling system are reliability, easy handling, and high flexibility.

The simplicity of cabling and installation of the system makes it possible to change and update old systems without re-piping. The system can be installed by anyone with a weak current qualification, provided they are familiar with the installation manual.

After the installation, the system can be updated or expanded anytime, regarding the central unit, number of rooms, and the number of calling points.

A short description of the **KL MED-C system**

In the central unit there is a 16 digit alphanumeric display, which shows the location of the caller, including the room number, bed number (the name of caller can be included if necessary), and information about the presence of a nurse in the hospital room. The information shown on the display can be freely chosen, according to the wishes of the client.

According to the current standards, it is not possible to delete calls in the central unit. Thus, the nurse always has to visit the calling point, and she can only delete the call in the relevant hospital room.



KL MED-C central unit



Nurse's device

Service announcements, or even direct calls to a given point, are also possible from the central unit.

Apart from the nurse calling function, the calling device has a reading lamp, and there is also a possibility of a radio function. Depending on the state of the patients, the calling device can be a simple emergency button.

The LED lights, which are placed above each hospital room, indicate the calls (red), and the presence of the nurse (yellow). These lights are clearly visible, even when the surrounding lights are intensive. The system has a nurse following function as well – if a nurse presses the Present / Delete button in a certain hospital room, the next incoming call will be shown in that room as well as in the central unit.

Apart from normal calls, it is possible to make calls to a doctor, or reanimation calls.

The sound volume in the central unit is adjustable, but only with service or technical access.

The central unit can be connected to a computer (eg. via a USB port), which is able to record every event, and forward it to a central server, if necessary. If remote access is permitted, we will be informed about every problem, and thus troubleshooting can begin even before the staff notice the problem.

The calling devices are made of impact resistant ABS plastic, with an easy to handle, large red calling button.

Pull switches are installed in lavatories.

The nurse calling system has an **MSZ EN60601-1-2:2008** qualification.

System characteristics

- up to 32 hospital rooms served by 1 central unit,
- alphanumeric display, which shows incoming calls, including room and bed numbers, distinguishing between calls from hospital rooms, lavatories, etc.
- possibility of telephone connection to central unit, possibility of SMS sending,
- call diverting options in case of connecting central units,
- possibility of sub central units at intensive care,
- handling of inner and outer lavatories,
- easy to clean surface,
- possibility of recording events,
- possibility of flexible expansion of system,
- fast and reliable service,
- 1 year basic guarantee, possibility of guarantee upgrade.

Qualifications

- EN ISO 9001:2008
- MSz EN ISO 13485:2010



Calling device



Signal lamp



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KLMED-S and KLMED-R

Nurse calling system with sound and light system

An easy and reliable system, designed for long lasting durable usage, with flexible possibilities.

The **KLMED-S** nurse calling system gives sound and light signals from the patient's side, and also alarm signals from lavatories. Installation of this system is advised for those places, where speaking contact is not necessary.

The **KLMED-R** nurse calling system has the same characteristics as KLmed-S, but it operates wirelessly, on a radio frequency.

Principal usages of the nurse calling system: In general hospital rooms, intensive care, hospice departments, social homes, and old people's homes. The advantages of the system include reliability, easy handling, and flexibility. The simplicity of cabling and installation of the system makes it possible to change and update old systems without re-piping. In case of the **KLMED-R** system, there is no need for cabling at all, since it's a wireless system. The system can be installed by anyone with a weak current qualification, provided they are familiar with the installation manual. After the installation, the system can be updated or expanded anytime, regarding the central unit, number of rooms, and the number of calling points.

A short description of the **KLMED-S** system

In the central unit there is an 8 digit alphanumeric display, which shows the **location of the caller**, including the room number, and type of room (ward, lavatory) – eg. 5 ROOM, 5R WC. The display also shows information about the **presence of a nurse** in the hospital room, and about **cancellation of call** – eg. 5R ATT, 5R DEL. The information to be shown on the display can be freely chosen, according to the wishes of the client.

According to the current standards, it is **not possible** to delete calls in the central unit. Thus, the nurse always has to visit the calling point, and she can only delete the call **in the relevant hospital room**.

The LED lights, which are placed above each hospital room, indicate the calls (red), and the presence of the nurse (yellow). These lights are clearly visible, even when the surrounding lights are intensive. The system has a **nurse following function** as well – if a nurse presses the Present / Delete button in a certain hospital room, the next incoming call will be shown in that room as well as in the central unit.



KLMED-S central unit



Nurse's device

The sound volume in the central unit is adjustable, but only with service or technical access.

The central unit can be connected to a computer (eg. via a USB port), which is able to record every event, and forward it to a central server, if necessary. If remote access is permitted, we will be informed about every problem, and thus troubleshooting can begin even before the staff notice the problem.

The calling devices are made of impact resistant ABS plastic, with an easy to handle, large red calling button.

Pull switches are installed in lavatories.

The nurse calling system has an **MSZ EN60601-1-2:2008** qualification.

Further functions

- outer corridor handling, eg. disabled lavatories,
- intensive care sub central units,
- doctor calling function,
- corridor collecting lamp, eg. L-shaped corridors.

System characteristics

- up to 32 hospital rooms served by 1 central unit,
- up to 128 wireless, radio frequency units (in case of KLmed-R system),
- alphanumeric display, which shows incoming calls, distinguishing between calls from hospital rooms, lavatories, etc.
- call diverting options in case of connecting central units,
- unlimited number of calling points per room,
- handling of inner and outer lavatories,
- easy to clean surface,
- possibility of recording every event, either with inner memory, or central server,
- possibility of built in GSM system – with possibility of SMS sending,
- possibility of flexible expansion of system,
- fast and reliable service,
- 1 year basic guarantee, possibility of guarantee upgrade.

Qualifications

- EN ISO 9001:2008
- MSz EN ISO 13485:2010



Calling device



Signal lamp



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KLMED-S

Sound and light signalling nurse-calling system

An easy and reliable system designed for long lasting durable usage with flexible possibilities.

The **KLMED-S** nurse-calling system presents sound and light signals from the patients' side and alarm signals from lavatories. Installation is advisable wherever speaking contact is not necessary.

Principal usages of the nurse-calling system are:

in the wards of general hospitals, intensive care, hospice departments, social homes and elderly homes. Reliability, simple and easy handling and great flexibility are the benefits of the system.

Cabling and installation is easy, it gives the opportunity to change the older systems without anew the piping. In possess of the thorough knowledge of the installation instructions the system can be installed by anybody who has weak-current qualification or has experiences.

Following the first installation the system can be supplemented anytime independently from the size of the central unit the number of rooms or the initiative calling points.

A short description of the KLMED-S system

In the central unit there is an alphanumeric display that shows the caller's location distinguishing the ward from the lavatory (e.g. "5 WARD" or "5 W WC") respectively there are visible information about an attending nurse (e.g. "5 W ATT") or delete the call (e.g. "5 W DELL"). According to particular expectations the information on the display is freely changeable.

In the central unit, according to relevant standards, the deletion of calls are forbidden nurses are always forced to find the place of the call and are only able to delete the call there.

LED displays, which are placed above the doors, are well visible even if the surrounding lights are intensive. They show the calling or the presence of a nurse. The system contains a nurse following function: if the nurse pressed the attend/delete button, then the next incoming call in this particular ward will signal as well as in the central unit (only sound and light signals). The volume is adjustable in the central unit but only with service or technical access.



KLMED-S Central Unit



Nurse-call Panel

Throughout a USB port the central unit is attachable to a computer which can record diary about every single event and forward it to a central server. If remote access is permitted we are informed about every single fault occurrence, so troubleshooting had been able to start before the staff noticed it.

Hand switches are made of impact resistant ABS plastic with an easy to use big surface lid with a red button.

In lavatories pull switches will be installed.

The nurse-calling system possesses an accomplished **MSZ EN 60601-1-2:2008** EMC measuring test record.

Further functions

- in the corridor e.g. disabled lavatories,
- intensive sub centre operation,
- call for doctor,
- collecting lamp (e.g. in case of L-shaped corridors).

Characteristics of the system

- up to 32 wards can be handled from one central unit,
- alphanumeric signals about calls distinguishing rooms from lavatories,
- by linking up central units there is a possibility to redirect calls,
- unlimited number of beds in the wards,
- operation of inner and outer lavatories,
- easy to clean foil tastature (foil switchboard) surfaces,
- a possibility to keep diary,
- a possibility to flexible enlarging,
- fast and reliable service,
- with a maintenance contract up to ten-year guarantee.

Qualifications

- EN ISO 9001:2008
- MSz EN ISO 13485:2010



Patient Unit



LED Door Lighting



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KL MED-CIP

IP based Nurse calling system with speaker connection

A state of the art nurse calling system with speaker connection, flexible functions and possibilities.



Anyone with an electrical qualification or knowledge can do the installation. Following the installation guide provided by the producer.

Once installed, the system can be easily updated or expanded anytime, both in terms of the central unit, number of rooms or the number of endpoints.

A short description of the KL MED-CIP nurse calling system

The central unit can be either a touch screen display or a mobile phone solution (Wifi network required), but can be a large corridor display or a combination of all.

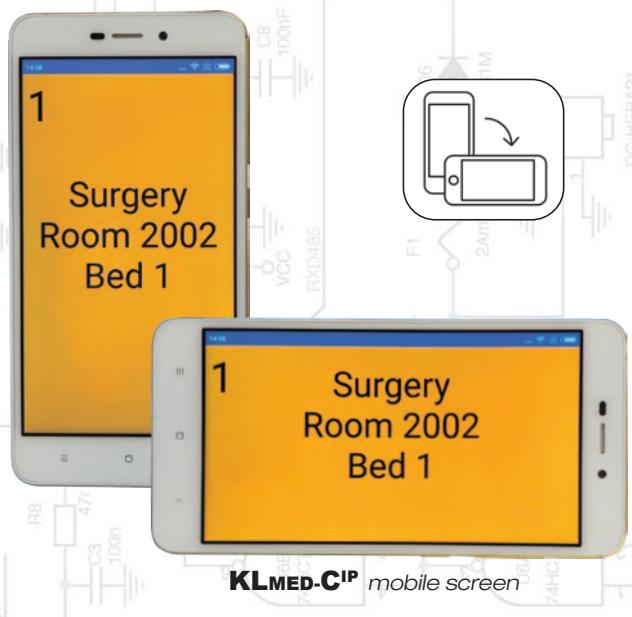
The central unit displays the room number, bed number (the name of caller can be included if necessary), and information about the presence of a nurse in the hospital room. The information displayed is freely selectable according to individual needs. According to the current standards, it is not possible to delete calls in the central unit. Thus, the nurse has always to visit the calling point, and she can only delete the call in the relevant hospital room.

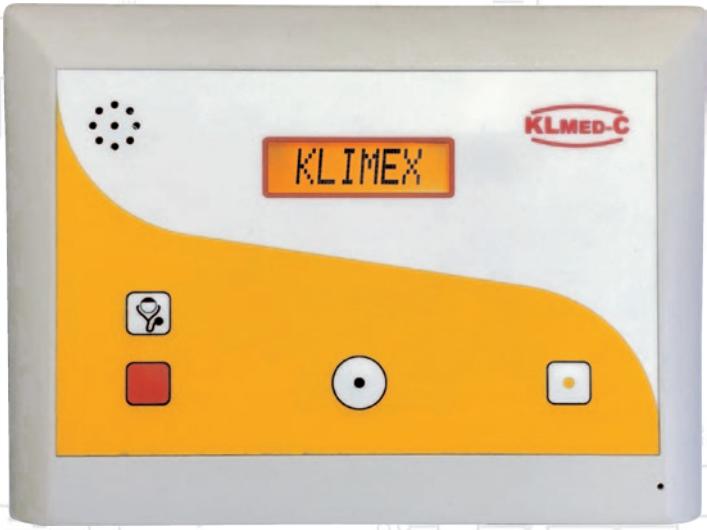
Service announcements, or even direct calls to a given point, are also possible from the central unit. In addition to calls, the patient device can also be equipped with a reading lamp switch and other optional system-integrated functions are available. Depending on the condition of the patient, the patient device may be a simple manual emergency switch.

The **KL MED-CIP** nurse calling system is an IP-based hybrid technology system that provides perfect quality voice communication between the nurse and the caller. IP technology for easy and fast communication, while the hybrid solution is for the security. We recommend to install this system in an environment where high-quality patient care and convenience services are also important.

Principal usages of the nurse calling system: in general hospital wards, intensive care units, VIP hospital rooms, high quality social or nursing homes.

The advantages of the **KL MED-CIP** nurse calling system are reliability, simple, easy operation and a high degree of flexibility. Easy wiring and installation allows you to replace existing or update old systems without re-piping.





Nurse's device

The central unit basically logs all events, what can be read over the network or even recorded to a central server. If remote access is enabled, the system can be fully managed via VPN, we can be informed about every problem, and thus the troubleshooting can begin even before the staff notice the problem.

The calling devices are made of impact resistant ABS plastic, with an easy to handle, large red calling button. Pull switches are installed in lavatories.

The nurse calling system has an EMC qualification and CE mark.

System characteristics

- up to 128+ rooms served by 1 central unit, up to 15 beds per room,
- alphanumeric display, the exact location of incoming calls, including room and, bed numbers, distinguishing between calls from hospital rooms, lavatories, code blue calls,
- 10" desktop touch screen display and / or portable mobile phone and / or large corridor display,
- call forwarding options in case of connected central units,
- management of sub-centers in intensive care units,
- handling of external (eg. handicapped) and rooms toilets,
- easy to clean surfaces,
- built-in logging,
- flexible expandability,
- fast and reliable service,
- 1 year basic guarantee, possibility of guarantee upgrade.

Qualifications

- EN ISO 9001:2008
- MSz EN ISO 13485:2010



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The multicolor LED display above the doors indicates the call, the presence of a nurse or other states, even in strong ambient light. The system has a built-in (nurse) tracking function: if the nurse pressed the present / clear button in a ward, the next incoming call will be signaled in that ward and in the central unit also (even on the mobile phone).

Apart from normal calls, it is possible to make calls to a doctor, code blue calls, or reanimation calls and the patient units can be programmed for special calls too. The sound volume in the central unit is adjustable, but only with system service or technical access rights.

