

INTERCOM NCS-STAFF CONSOLE (CUI-04)

CUI-04 is the staff console for Intercom NCS with the capability to make 2-way full-duplex vocal communication between the patient and the staff. It can also initiate 12 emergency code calls when connected to KTC emergency code call system. It can support up to 64 calling points in a ward with the capability to handle 4 different priority levels (Normal-Emergency-Service and Critical) with different acoustic and visual alarms. It has 2 RJ45 ports for connecting to the terminal box under RS-485 protocol and hospital LAN under TCP/IP protocol. It stores unlimited log of the initiated call details in its memory for reporting purposes.

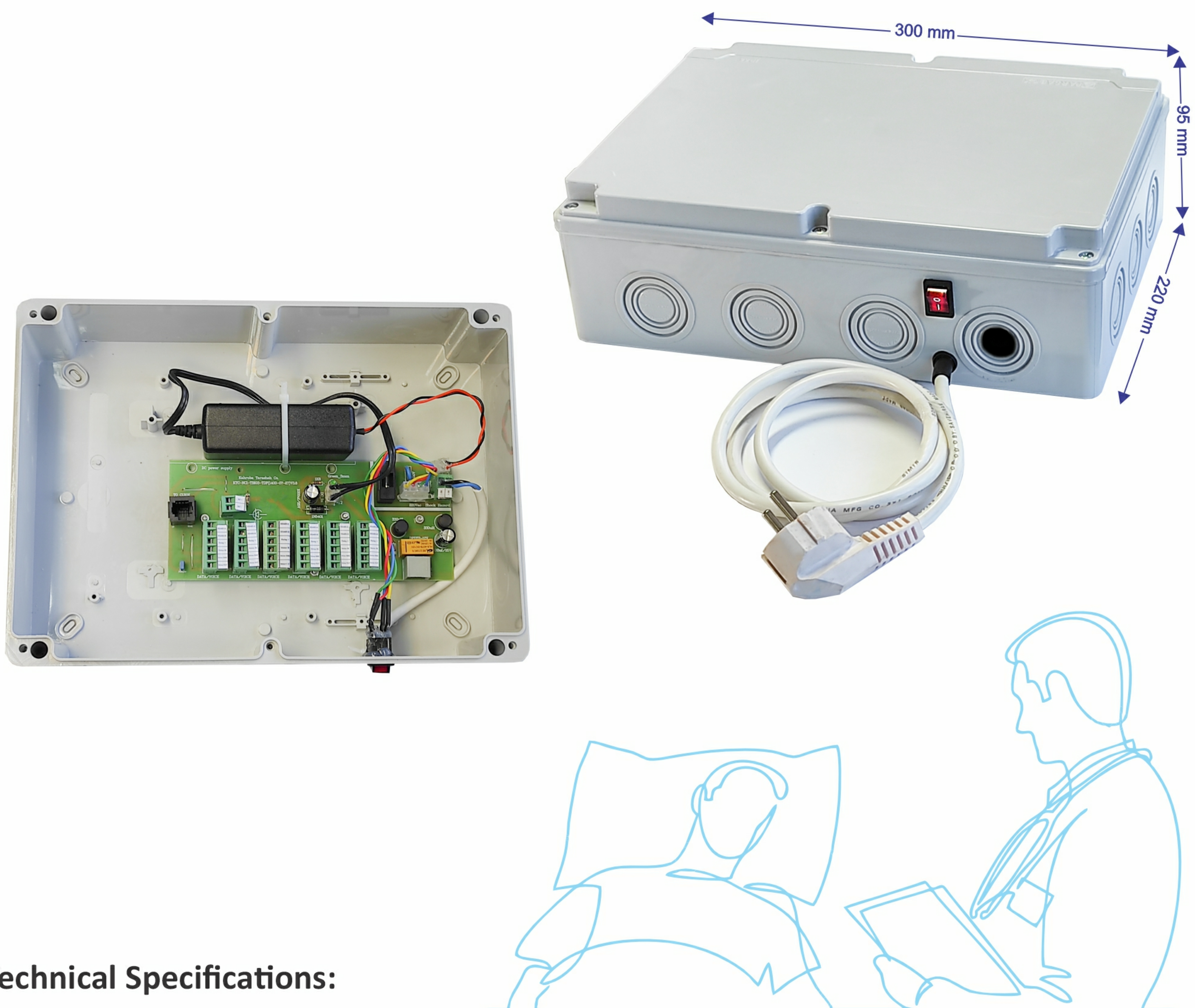


Technical Specifications:

Weight	827 g		
Dimensions	W: 280 mm	H: 48mm	D: 160mm
Raw Material	Polycarbonate ABS		
Power Supply	12 VDC		
Color	White		
Port1	RJ45 Connector to Terminal Box (TBI-02)		
Port2	RJ45 to Hospital Emergency/Group Summon System		
Speaker	8 Ohms , 0.5 Watt		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30% ~ 80% RH		
Mounting	Desk / Surface		

INTERCOM NCS – TERMINAL BOX (TBI-03)

TBI-03 is the interface between Patients' Intercom Panels and the staff console under RS-485 communication protocol.
TBI-03 provides the 12VDC power for the staff console.

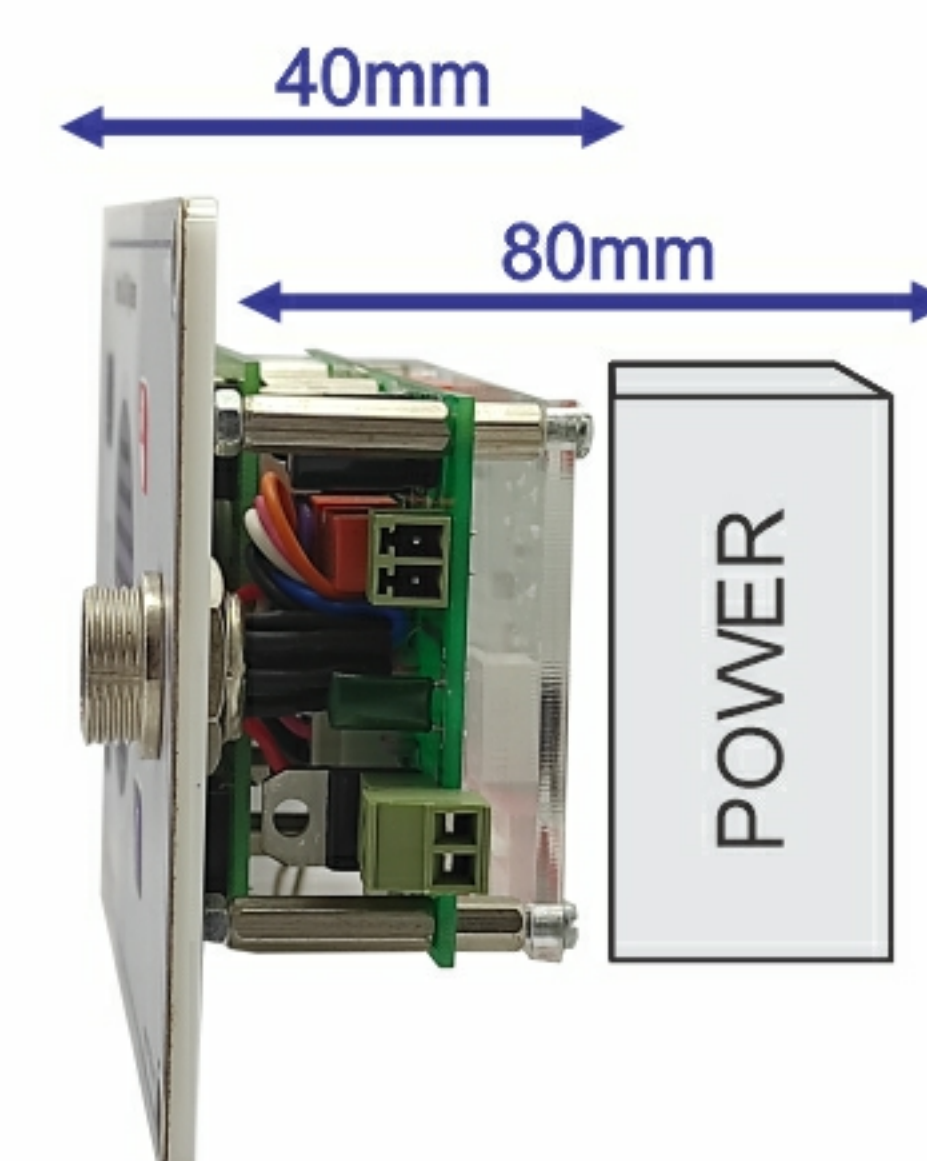
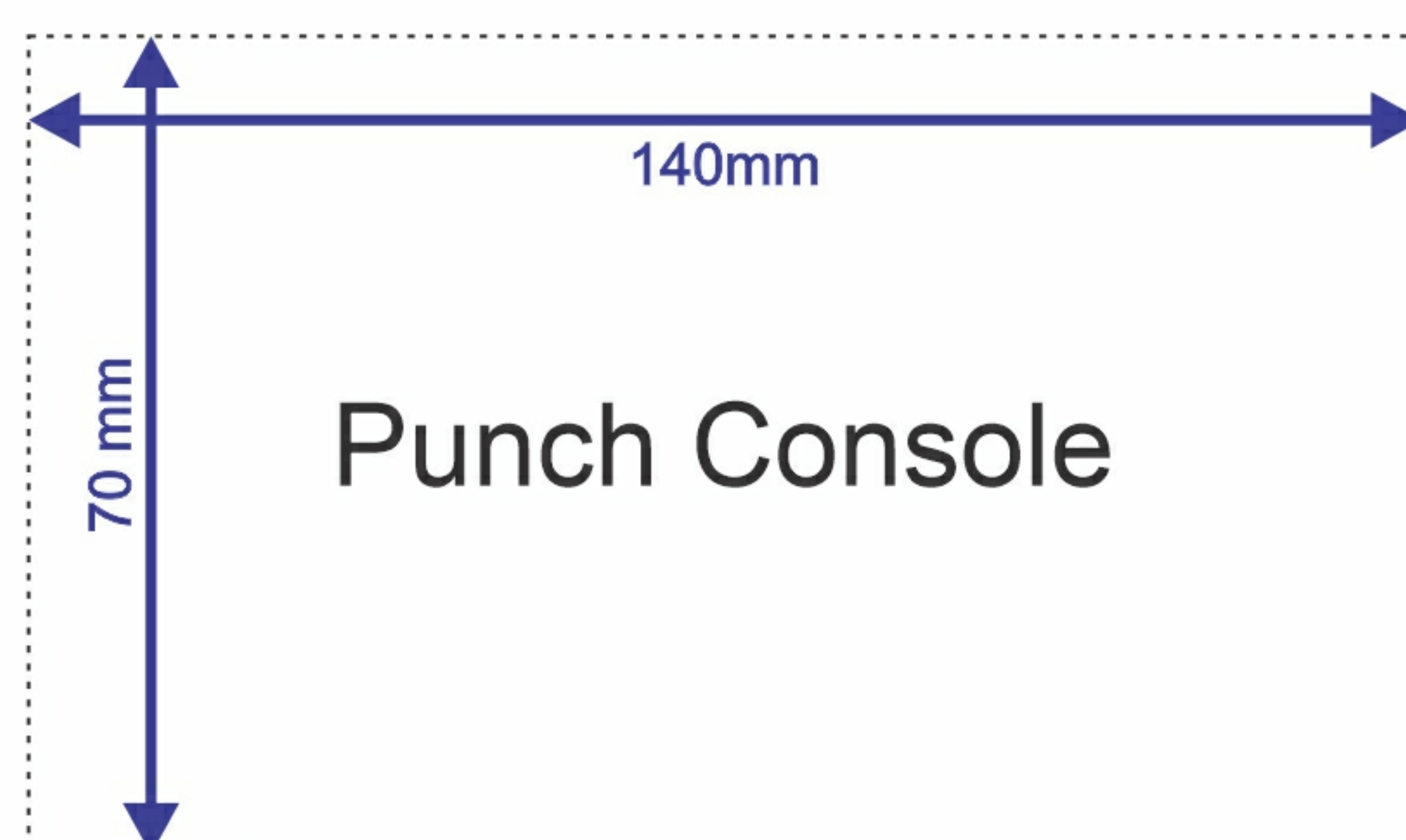
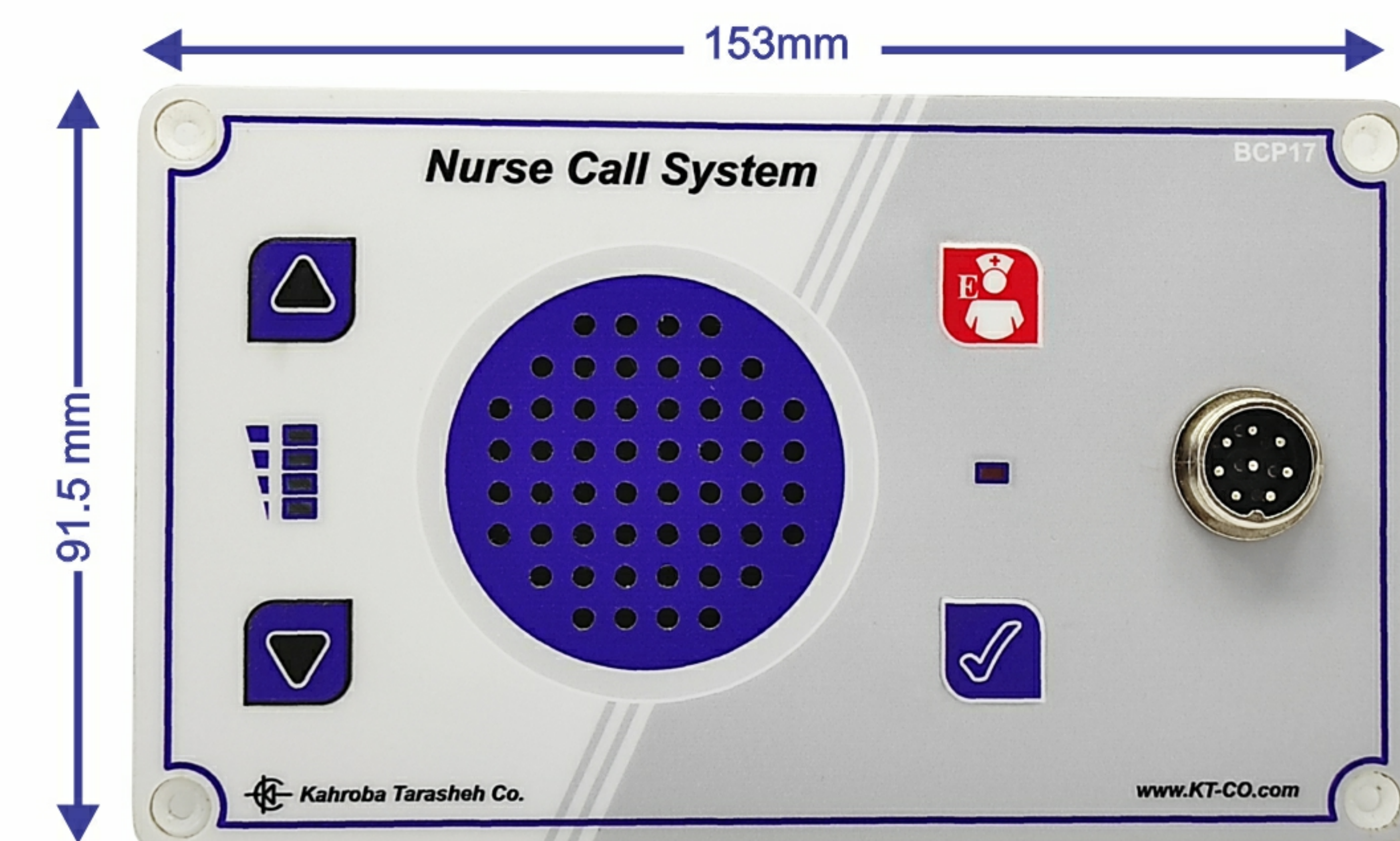


Technical Specifications:

Weight	1223 g		
Dimensions	W: 300 mm	H:95 mm	D: 220 mm
Raw Material	ABS		
Power Supply	220 ~ 240 VAC , 0.2 A (50 HZ)		
Output Power	4 W (12 VDC)		
Color	Grey		
Port1	RJ45 connector to Staff Console (CUI-04)		
Port2	RJ45 connector to Display Corridor (DP-01)		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30% ~ 80% RH		
Mounting	Surface (Max. 3 meters from Staff Console)		

INTERCOM NCS-PATIENT'S INTERCOM PANEL (BCP-17)

BCP-17 is the bedside Patient's panel which enables 2-way full-duplex communication between the patient and the management staff with its speaker via the microphone on the pear push switch/handset (NCB-03/05). It has 2 buttons to adjust the volume. BCP-17 is equipped with an 8-pin military connector to ensure constant connectivity of the panel to Patient's Handset / Pear push Button despite probable jolts. It also has a Cancel/Presence and an emergency Nurse Call switch.

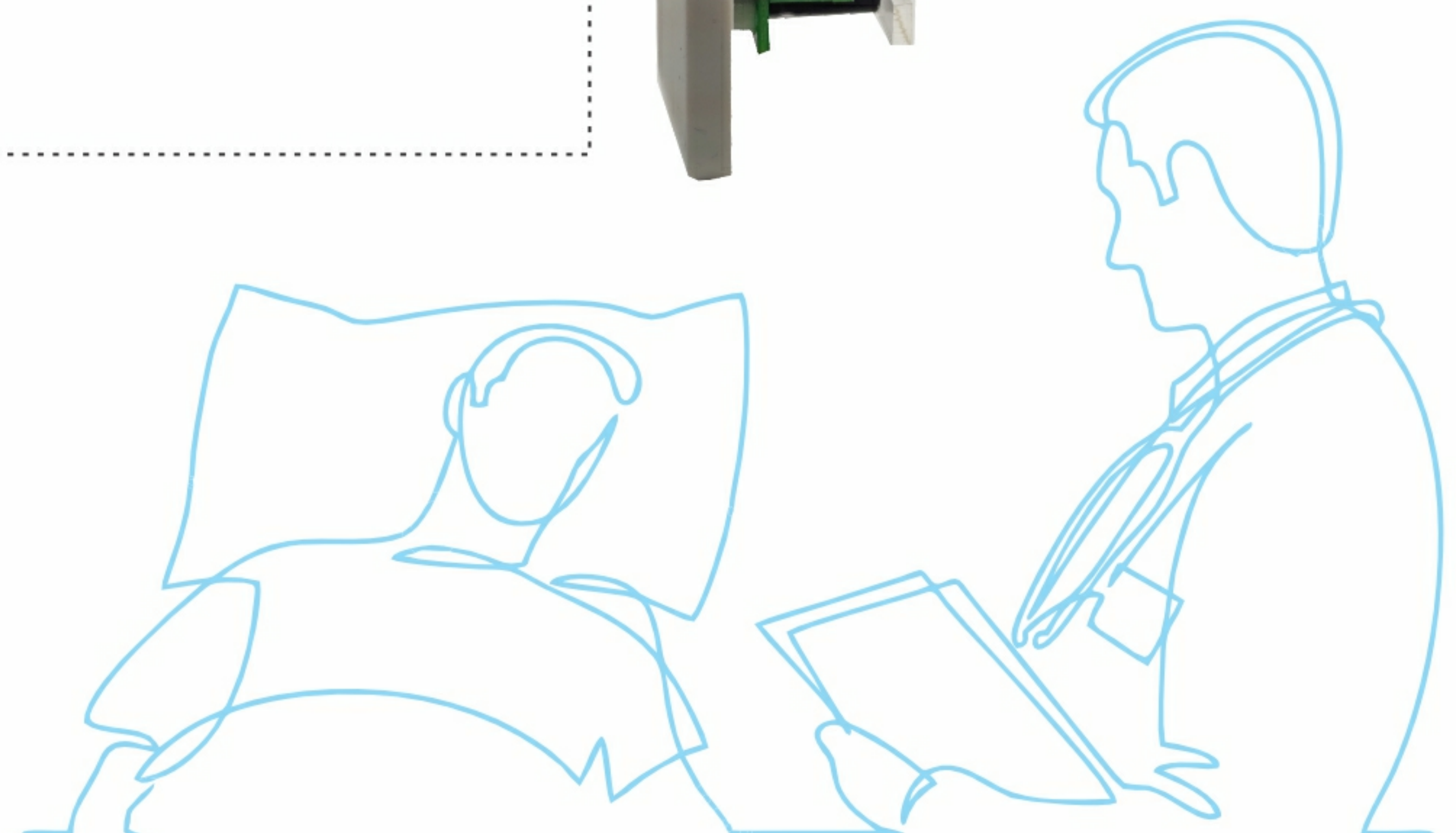
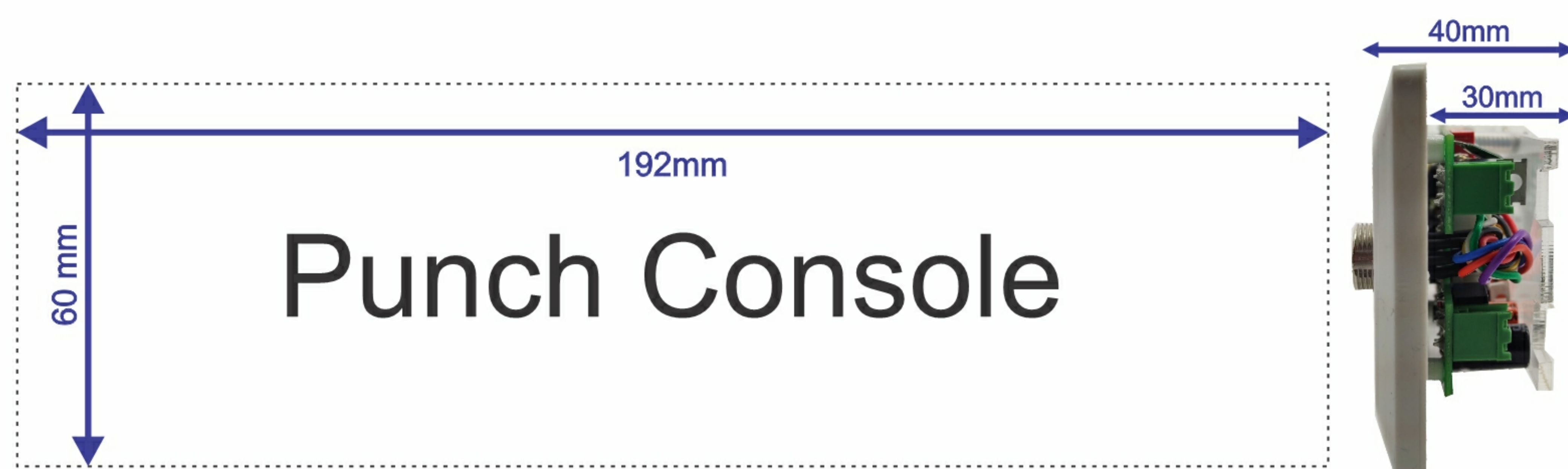
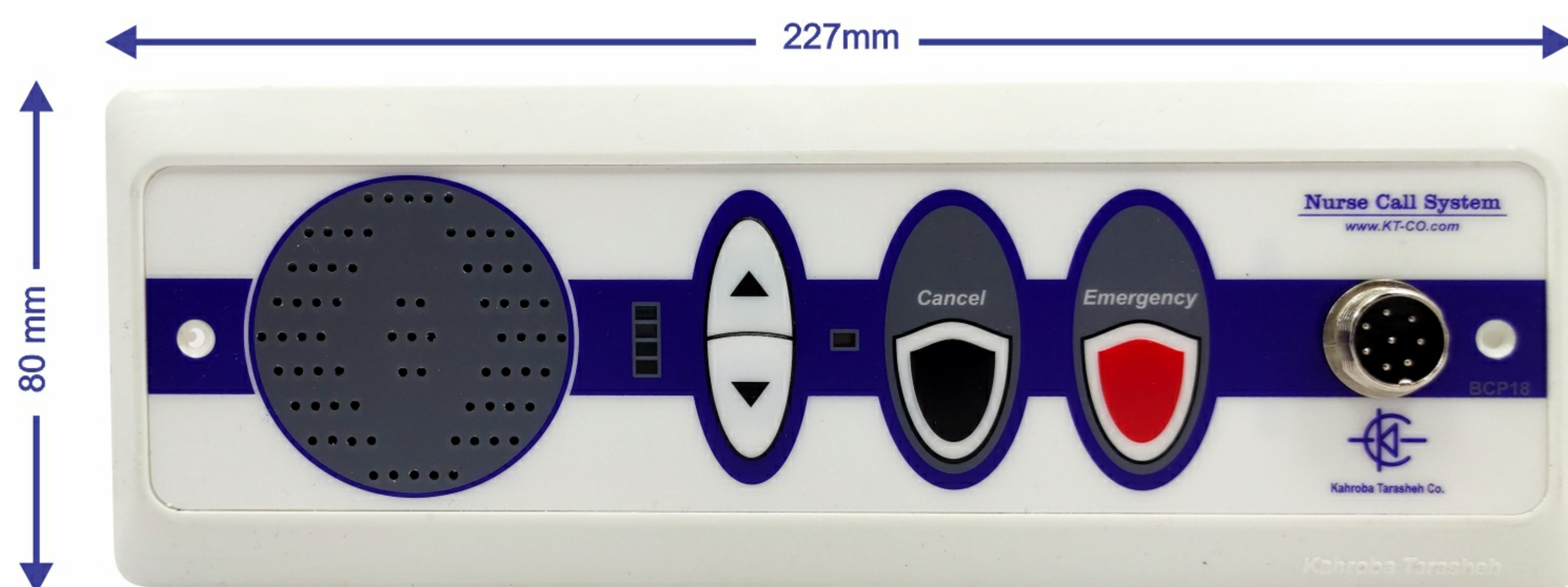


Technical Specifications:

Weight	240 g
Dimensions	W: 153 mm H:91.5 mm D:40 mm
Raw Material	PlexiGlass + Polycarbonate
Power Supply	12 V DC (via an external Power Adaptor)
Color	White
Port1	RJ45 Connector to Layout Ring Wiring
Port2	8-pin, Military male connector to Patient's Handset
Speaker	8 ohms, 0.5 Watt
Operating Temperature	-10 ° C ~ +50° C
Operating Humidity	30% ~ 80% RH
Mounting	Flush (Cavity Dimension: 192mm x 60 mm)

INTERCOM NCS-PATIENT'S INTERCOM PANEL (BCP-18)

BCP-18 is the bedside Patient's panel which enables 2-way full-duplex communication between the patient and the management staff with its speaker via the microphone on the pear push switch/handset (NCB-03/05). It has 2 buttons to adjust the volume. BCP-18 is equipped with an 8-pin military connector to ensure constant connectivity of the panel to Patient's Handset / Pear push Button despite probable jolts. It also has a Cancel/Presence and an emergency Nurse Call switch.

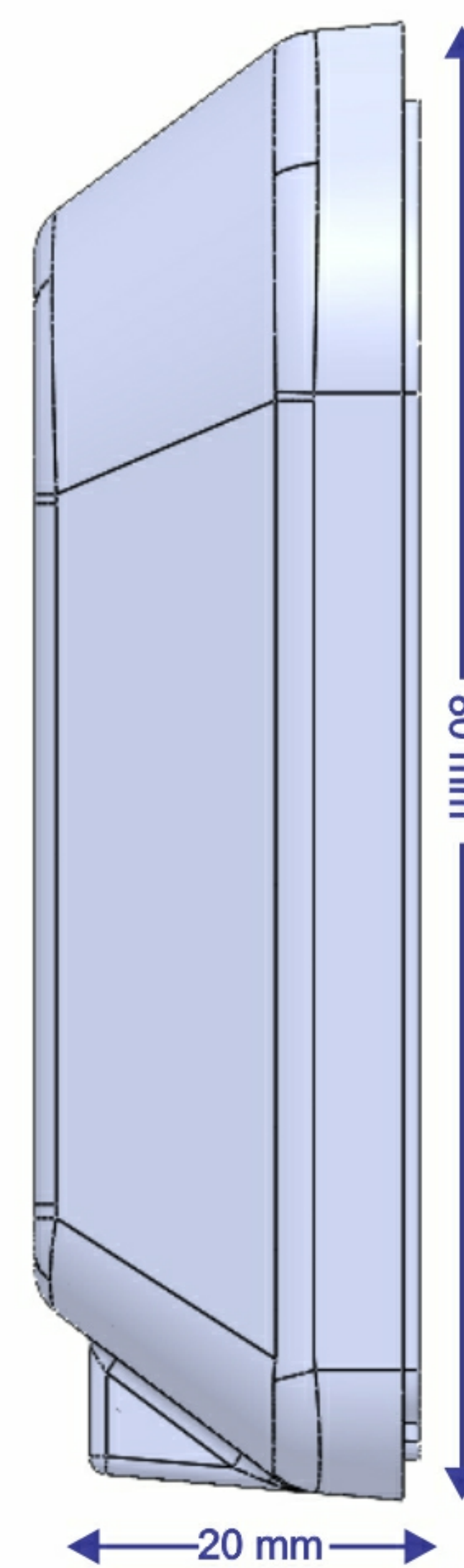


Technical Specifications:

Weight	217.5 g
Dimensions	W: 227 mm H:80 mm D:40 mm
Raw Material	ABS + Polycarbonate
Power Supply	12 V DC (via an external Power Adaptor)
Color	White
Port1	RJ45 Connector to Layout Ring Wiring
Port2	8-pin, Military male connector to Patient's Handset
Speaker	8 ohms, 0.5 Watt
Operating Temperature	-10 ° C ~ +50° C
Operating Humidity	30% ~ 80% RH
Mounting	Flush (Cavity Dimension: 192mm x 60 mm)

INTERCOM NCS-SIMPLE PATIENT PANEL (PBC-16)

PBC-16 is the bedside Patient's panel which enables Emergency Nurse Call initiation through pressing the Call button.
It also has a Cancel/Presence switch to be used by the staff attending the call at the bedside.



Technical Specifications:

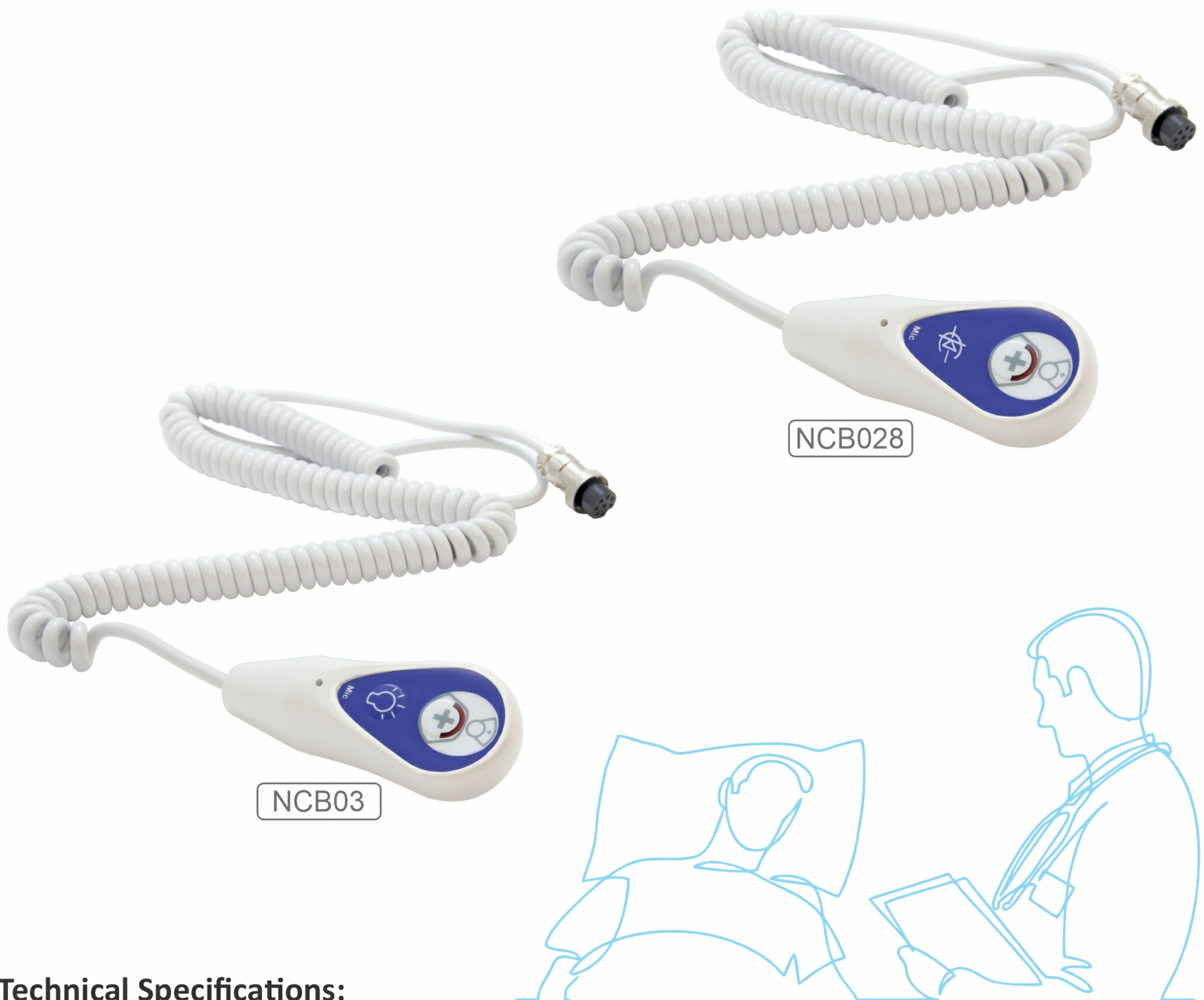
Weight	61 g		
Dimensions	W:80 mm	H:80 mm	D: 20 mm
Raw Material	Polycarbonate + ABS		
Color	White		
Power Supply	12 V		
Operating Temperature	-10°C ~ +50° C		
Operating Humidity	30% ~ 80% RH		
Mounting	Flush/Surface		

INTERCOM NCS- PEAR PUSH SWITCH(NCB-03/NCB-028)

NCB-03(NCB-028) is the pear push nurse call switch attached to the patient's intercom panel (BCP-18) via a coiled cord secured by an 8-pin military socket preventing detachment from the panel by any jolt.

NCB-03 (NCB-028) also has a microphone for a 2-way communication to the staff console (CUI-04) in combination with the speaker in the patient's panel (BCP-18).

NCB-03 has a switch to turn on/off the reading light in the Patient's console.



Technical Specifications:

Weight	150 g		
Dimensions	W:40 mm	H:100 mm	D: 28 mm
Raw Material	Body: Polycarbonate +ABS Coiled Cable: PUR		
Power Supply	12 VDC		
Color	White		
Connection	8-Pin Gx16 (Female)		
Cable Length	4 m		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30-% ~ 80% RH		
Mounting	Tabular at the bedside/Wall		

INTERCOM NCS-PATIENTS' HANDSET (NCB-05)

NCB-05 is the advanced patients' handset with a Nurse Call switch attached to the patient's intercom panel (BCP-17/BCP-18) via a coiled cord secured by an 8-pin military socket preventing detachment from the panel by any jolt.

NCB-05 also has a microphone for a 2-way full-duplex communication to the staff console (CUI-04) in combination with the speaker in the patient's panel (BCP-17/BCP-18). It also acts as a pillow speaker for FM radio and a keypad for T.V./Radio control. It comes with a 5mm headphone jack and has a switch to turn on/off the reading light in the Patient's console.

NCB-05 has a switch to turn on/off the reading light in the Patient's console.



Technical Specifications:

Weight	245 g		
Dimensions	W: 55 mm	H: 200 mm	D: 23mm
Raw Material	Body: Polycarbonate +ABS Coiled Cable: PUR		
Color	White		
Connection	8-pin Gx16 (Female)		
Port I	Headphones 5mm Jack		
Speaker	0.5 W / 8 Ohm		
Keypad	Membrane		
Cable Length	4 m		
Remote T.V./Radio Control	Yes		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30-% ~ 80% RH		
Mounting	Tabular at the bedside/Wall		

INTERCOM NCS- CORRIDOR STATUS LIGHT (ODL-19)

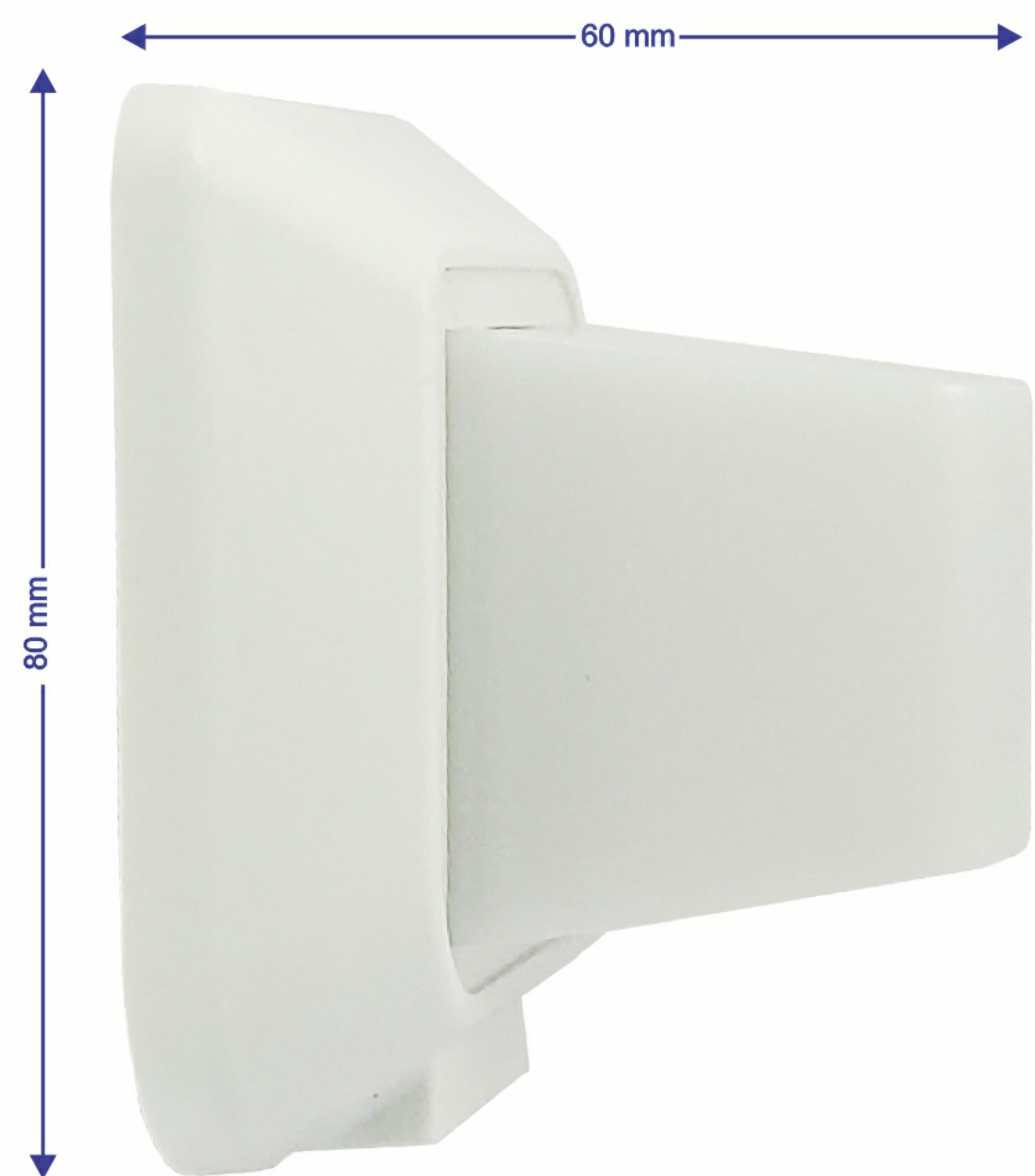
ODL-19 is a wedge-shape Corridor light noticeable from 5 angles which is installed above the patients' room door in the corridor.

It has 2 different LED Light colors that will illuminate showing the following states:

Green Color (Steady): Normal Nurse Call notification.

Red Color (Blinking): Emergency/Service/Critical Nurse Call notification.

The light is OFF when no Nurse Call has been activated.

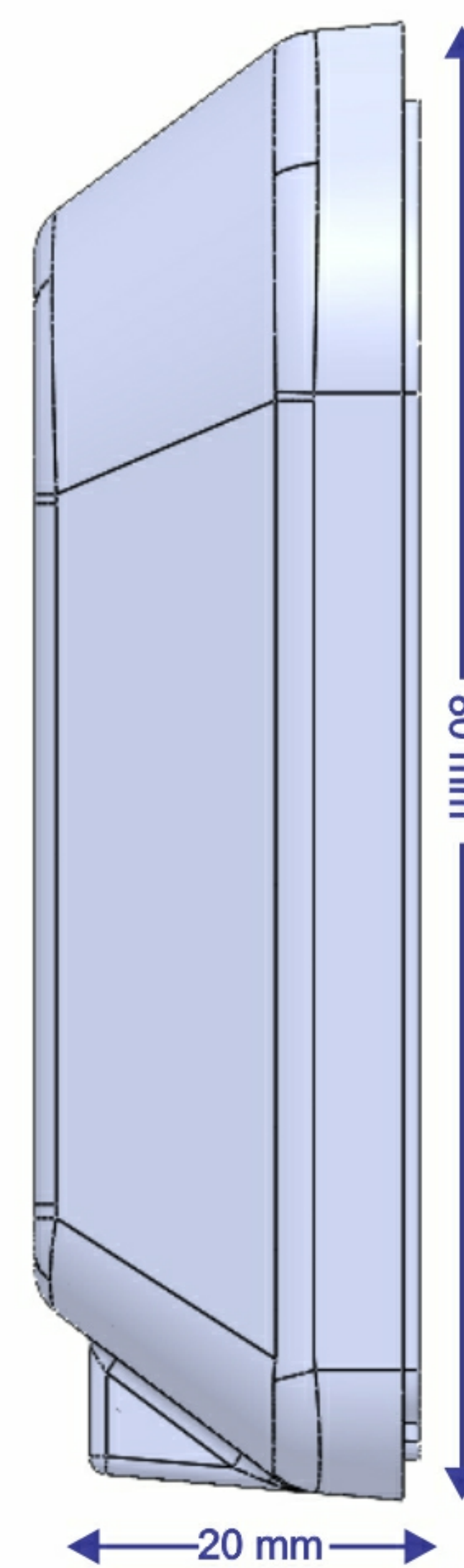


Technical Specifications:

Weight	70g		
Dimensions	W: 80 mm	H:80 mm	D: 60 mm
Raw Material	ABS		
Color	White		
Power Supply	12 V		
Light Type	LED		
LED Colors	Green/Red		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30-% ~ 80% RH		
Mounting	Flush/Surface		

INTERCOM NCS-Cancel/Presence Switch (CB-17)

CB-17 is a Cancel/Presence switch usually installed by the door of the patients' room. It can cancel any Normal/ Emergency/Service or Critical Nurse Call activated from the room. The nurse will use CB-17 after a call has been taken care of and there is no more activated call associated with the room.



Technical Specifications:

Weight	58 g		
Dimensions	W: 80 mm	H: 80 mm	D: 20 mm
Raw Material	Polycarbonate + ABS		
Color	White		
Power Supply	12 V		
Operating Temperature	-10°C ~ +50° C		
Operating Humidity	30% ~ 80% RH		
Mounting	Surface/Flush		

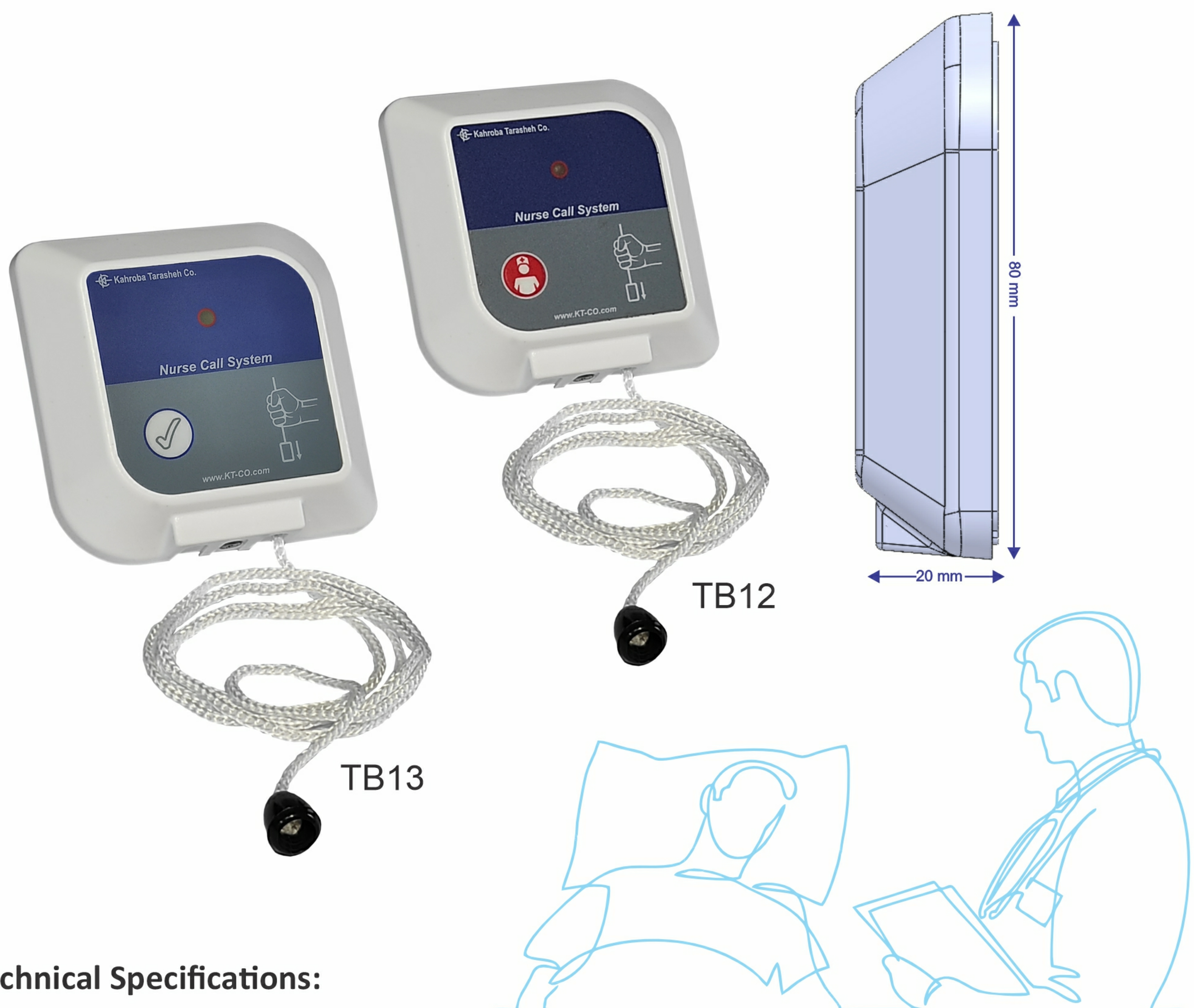
INTERCOM NCS-PULL CORD SWITCH (TB-12/13)

Pull cord switch is used in patient's bathroom, shower or similar areas making the call easier by pulling the cord.

It activates an Emergency call in the management center which has a higher priority than normal nurse calls.

TB-12 normally comes with an emergency call switch on the panel which can also be replaced by a Cancel/Presence switch for TB-13.

TB-12/13 has ingress protection rating (IP) against liquids up to IPX5.

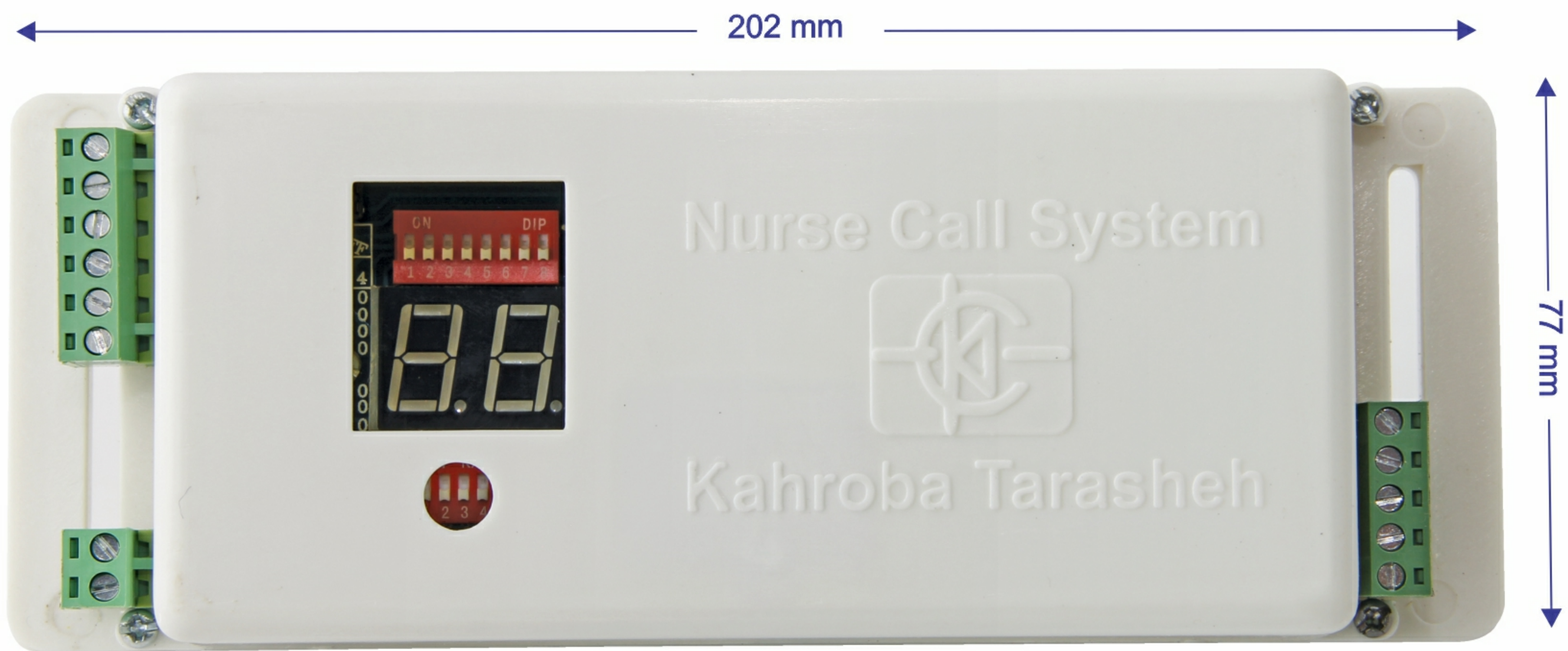


Technical Specifications:

Weight	58g		
Dimensions	W: 80 mm	H: 80 mm	D:20 mm
Raw Material:	Polycarbonate + ABS		
Color	White		
Power Supply	12 V		
Cord Capacity	Max 20 Kg		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30-% ~ 80% RH		
Mounting	Surface/Flush		

INTERCOM NCS-External Washroom Control Board (SCB01)

The external washrooms in the ward cannot connect to the BCP configuration of the patient's Panel for connection to the staff console and therefore needs an external control panel to connect them as a separate node in the Nurse call System configuration. Each external washroom needs one SCB01 module and a Cat5/6 cable connects it to the terminal box under RS485 protocol.



Technical Specifications:

Weight	385 g		
Dimensions	W:202 mm	H: 77 mm	D: 45 mm
Raw Material	ABS		
Color	White		
Power Supply	220 VAC (2-pin Phoenix Connection)		
Port1	Phoenix 6-pin (to Rj45 of the Terminal Box)		
Port 2	Phoenix 5-pin (To Pull cord, Corridor Light and Cancel Switches)		
Operating Temperature	-10°C ~ +50° C		
Operating Humidity	30% ~ 80% RH		
Mounting	Surface		

INTERCOM NCS-STAFF CONSOLE (CUI-06)

CUI-06 is the staff console for Intercom NCS with the capability to make 2-way full-duplex vocal communication between the patient and the staff. It can also initiate 12 emergency code calls when connected to KTC emergency code call system. It can support up to 64 calling points in a ward with the capability to handle 4 different priority levels (Normal-Emergency-Service and Critical) with different acoustic and visual alarms. It has 2 RJ45 ports for connecting to the terminal box under RS-485 protocol and hospital LAN under TCP/IP protocol. In order to connecting to the reporting (CUS) and emergency code (KTC-RN-S) applications. It stores unlimited log of the initiated call details in its memory for reporting purposes.



Technical Specifications:

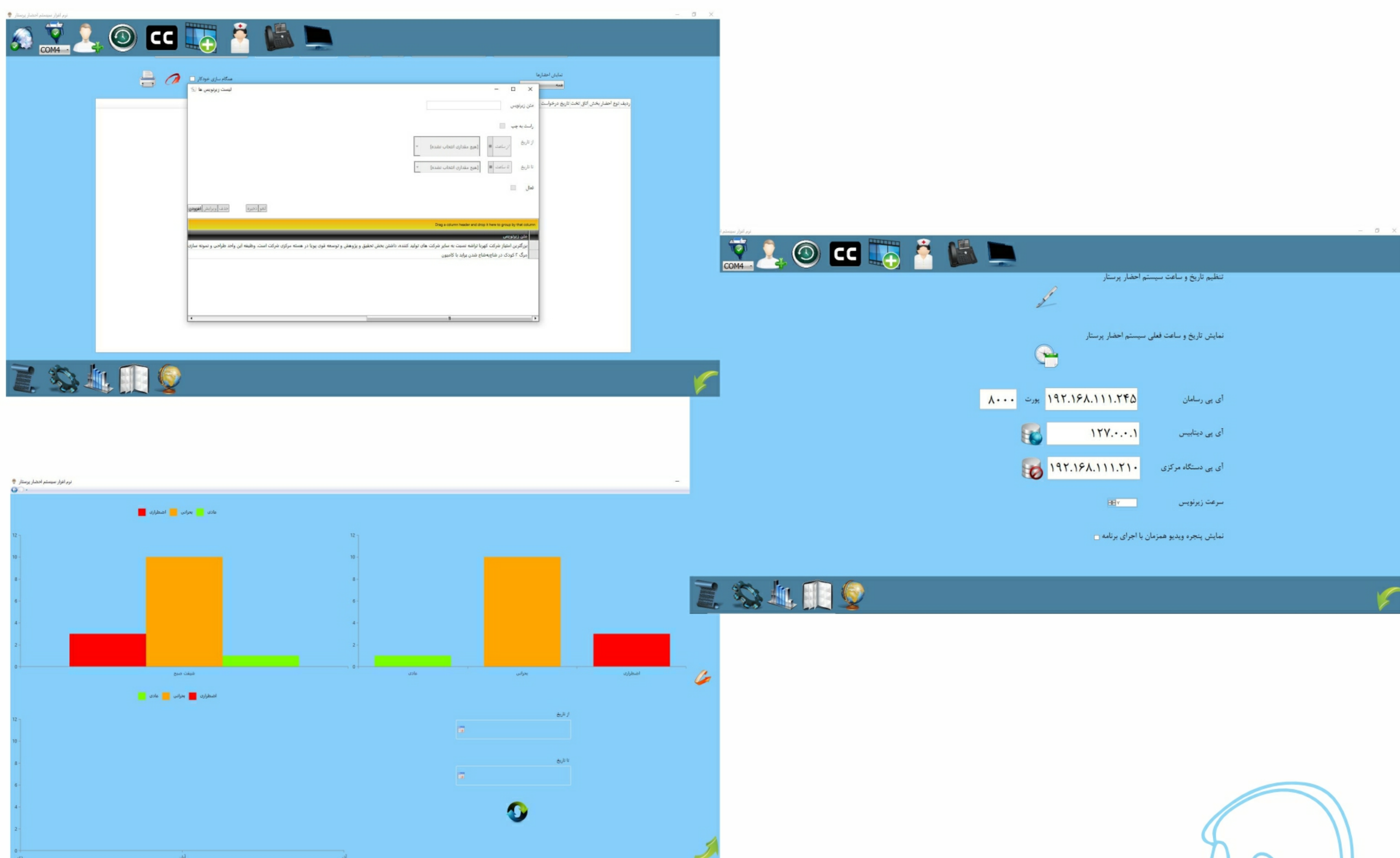
Weight	827 g		
Dimensions	W: 280 mm	H: 48mm	D: 160mm
Raw Material	Polycarbonate ABS		
Power Supply	12 VDC		
Color	White		
Port1	RJ45 Connector to Terminal Box (TBI-02)		
Port2	RJ45 to Hospital Emergency/Group Summon System		
Speaker	8 Ohms , 0.5 Watt		
Operating Temperature	-10°C ~ +50°C		
Operating Humidity	30% ~ 80% RH		
Mounting	Desk / Surface		

INTERCOM NCS- MANAGEMENT REPORTING S.W.(CUS)

CUS is the management software connecting one or several staff consoles to the management report displaying unit through hospital LAN.

It can Record, Monitor and Analyze Call types, Staff Performance, Call Response Delay and Call Breaches in any given time period. The reports can be in PDF format or column charts. It also provides the means to associate the RFID tags to the staff for reporting purposes.

The managers can sort/ filter the call reports by their priority level.



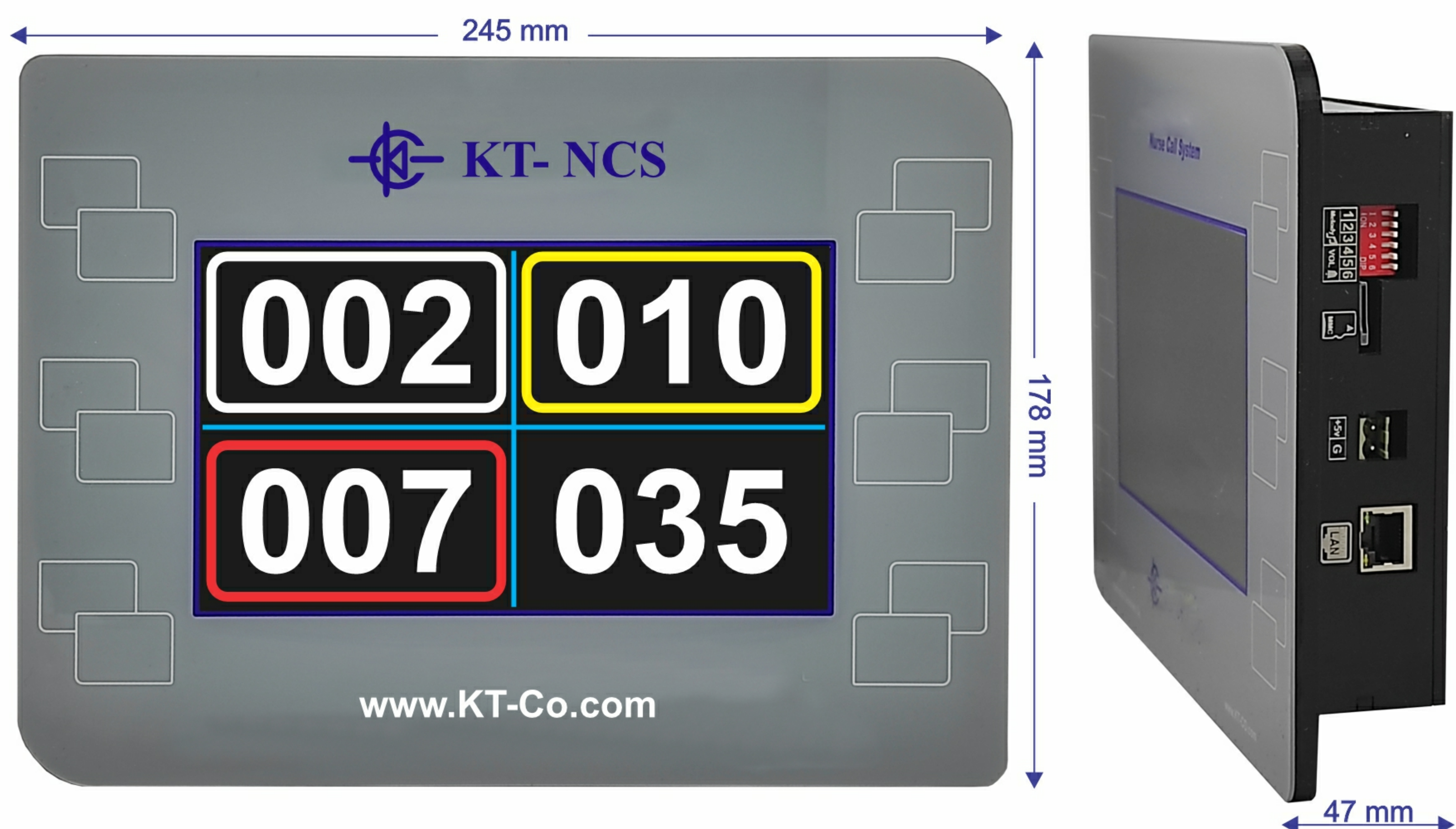
Technical Specifications:

Required Operating System	Windows 10/Server
Required H.D.D.	Min.120 GB
Required RAM	Min 4G
Required Hardware	Ethernet Port
Required Processor	Min Core i3 or equivalent
Centralized Database	MS SQL

INTERCOM NCS-DISPLAY UNIT (NDP-02)

NDP02 is the display unit installed in the management center. It is used to display the four highest priority calls from top left to bottom right of the display. The same priority calls are displayed in chronological order.

The highest priority is for critical beds with colored border. The second highest is for service calls with colored border. The third highest is for bed emergency calls with colored border. The lowest is for bed normal calls with no border. The colors of the borders is customizable. The Alarm for a new call is played by an internal speaker with melodies stored on a local Micro-SD card.



Technical Specifications:

Weight	918 g		
Dimensions	W: 245 mm	H: 178 mm	D: 47 mm
Raw Material	Plexiglass + Plexiprint		
Color	White		
Power Supply	5 V via external AC adapter		
Display Type	7-inch TFT		
Internal Speaker	2 W, 8 Ohms		
Port	RJ45 via Crossed Cable		
Operating Temperature	-10°C ~ +50° C		
Operating Humidity	30% ~ 80% RH		
Mounting	Surface		

INTERCOM NCS-DISPLAY UNIT (DP-01)

DP-01 is the marquee display unit installed in the management center. It is used to display the room/bed number of the highest priority Nurse call.

It can show the time or some advertisement while there is no active Nurse Call present.

The content of DP-01 is provided by staff console (CUI-04) through the terminal box (TBI-03) under RS-485 communication protocol.



Technical Specifications:

Weight	662 g		
Dimensions	W:260 mm	H:250 mm	D:50 mm
Raw Material	ABS + Plexiglass		
Color	White		
Power Supply	12 V		
Display Type	Dot Matrix with 5 Characters and Red color LED		
Port	RJ45		
Operating Temperature	-10°C ~ +50° C		
Operating Humidity	30% ~ 80% RH		
Mounting	Surface/Desktop		