

Wireless Call Button Specification



Specification	
Model NO.	830404
Description	Lora Wireless Transmitting and Receiving Device
Intended Use	Wireless Call Button is miniaturization wireless Call Button use with the door light, caregiver's pager and Nurse Call Receiver to configure a wireless call system. With the press of a button, a wireless signal is sent to the door light, caregiver's pager and Nurse Call Receiver, the caregivers will be alerted by door light in the hallway and pager carried by the caregivers. If the resident's room has an existing nurse call system, a nurse call receiver can be mounted by patient station and connected the receiver to patient station with its cord. This allows the caregivers also be notified at the nurse call station. Wireless Call Button can be easily mounted to any location in room, such as head board of bed, Chair armrest, toilet, wall or worn as a pendant around the resident's neck with an included lanyard.
receiving devices and alarm notification	- Wireless Nurse Call Receiver - caregivers can be notified at the nurse call station. - LED Pager, For carried by caregivers, Alerts caregivers with Vibration anywhere in facility, Display alarm device number Mount on desk at nurse station, display alarm room number, have audible alert and remote reset.

Wireless communication Protocol	When alarm, the transmitter will send a radio signal to the Nurse Call Receiver or Door Light to report "I am in alarm", the Nurse Call Receiver or Door Light will also send a confirm radio signal to transmitter to say "Well received". Otherwise, the transmitter will send a radio signal with next channel (Frequency-hopping communication with 66 channels) to the Nurse Call Receiver or Door Light until get "Well received".
Wireless communication supervise	Once programmed transmitter to Nurse Call Receiver or Door Light, the transmitter will periodically send a radio signal to the Nurse Call Receiver or Door Light to report "I am OK", the Nurse Call Receiver or Door Light will also send a confirm radio signal to transmitter to say "Well received". If the Nurse Call Receiver or Door Light does not receive "I am OK" for a certain time period, the connected channel number should flash in a yellow light, indicating the transmitter is in lost status.
Power source	AAA×2 alkaline battery(including)
Approximate Battery lifetime	Normal use: 24 month (Alarm: 10 times/day) Max in storage time: 10 months
ESD	CONFORMS TO IEC 61000-4-2, A CLASS Air Discharge: +/- 15 KV Contact Discharge: +/- 8 KV
FCC Specifications	Carrier frequencies: 915MHZ; CONFORMS TO FCC Part 15 RF signal modulation: FSK
Approximate wireless transmission range	3550 feet; in open field
Wireless transmission delay	1 second;
Call indicator LED	Call LEDs Light on WCB is lighting orange during WCB transmits wireless Call signal to receiving components in Call Mode
Change Call Button indicator LED	Change Call Button LEDs Light on WCB is lighting when WCB has expired or battery low.
Button	A two functions push button on the front face of WCB. - If the WCB is in Standby Mode, press Button until you see Call light is lighting to place the WCB in Call Mode, and then release the Button. - To place the WCB to programming mode (when the WCB is in Standby Mode), press the button and then hold for 5 seconds until the alarm light on the transmitter flashes orange. Then release the button.

Storage and Transportation Mode	WCB is in Storage and Transportation Mode during shipping and store period. When in Storage and Transportation Mode, the device is in very low power consumption sleeping Mode, no wireless transmission.
Standby Mode	WCB is in Standby Mode when it is first Wake up via the button after Call Mode ended.
Call Mode	When in Standby Mode, press Button until you see Call light is lighting, and then release the Button, it will place WCB in Call Mode. WCB will transmit wireless alarm signal to receiving components and Call light on WCB is lighting for 1 second then turn off. After this, Call Mode is ended and WCB will be in Standby Mode.
Operating, Storage and Transportation	Ambient temperature: +5°C to +45°C Relative Humidity: 30% - 85% Atmospheric Pressure: 700 hPa to 1060 hPa
Water protection classification	IPX6
Dimensions (W×D×H)	48×15×85 mm
Weight	63 g

FCC WARNING:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.