



CLB C5100 Wireless Module¹

The C5100 Wireless module is able to receive signals from wireless devices such as alarm pendants and wireless motion sensors. These signals are forwarded to the CLB Unicare system and can be handled as regular alarm triggers.

PRODUCT SHEET

C5100 Wireless Module

C5100 Wireless Module

The C5100 module acts as an interface module to receive signals from various wireless devices such as alarm pendants, wireless motion sensors and input devices. Signals received by the C5100 module will be forwarded to CLB's alarm distribution chain and can be handled like other notifications, see Figure 1 below.

The C5100 has a range of 25m for receiving wireless signals², appropriate to fully cover individual care rooms. When an external antenna is used, the range extends to approx. 50m¹.

Peripherals

The C5100 supports various types of peripherals such as alarm pendants, motion sensors, universal input module and pull cords. The alarm pendant provides feedback and reassurance to the service user that the alarm has been picked up.

The universal input module allows for traditionally wired sensors such as pressure sensors to be connected wirelessly to the CLB system, eliminating complex wire constructions.

Safety

All wireless devices have battery level monitoring and a heartbeat to ensure no alarms are lost and eliminate the need for preventive battery exchange.

Moreover, the C5100 modules' firmware can be updated remotely after being connected to the server. After installation and configuration, the system continuously monitors all modules. When a C5100 module is disconnected, disabled or having a malfunction, a warning message is generated to alert an operator or system administrator.

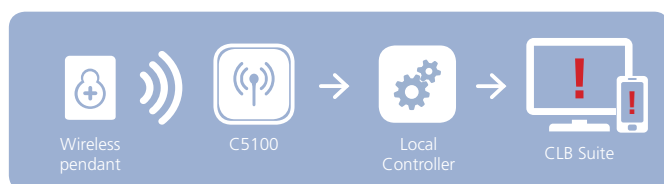


Figure 1: Schematic workflow of C5100 wireless module



Figure 2: CLB C5100 Wireless Module with internal antenna



Figure 3: CLB C5100 Wireless Module with external antenna

¹ Jung Frame not included

² Depending on building interior and construction characteristics.

MODELS

The C5100 can be used to receive signals from a variety of wireless peripherals such as:



Alarm Pendant



Passive Infrared Sensor
(Motion Detector)



Universal Input Device



Pull Cord

FUNCTIONALITIES

Hardware Features

- 25 meter radius signal¹
- External antenna can be mounted to extend the signal range to approx 50 meter¹
- Jung Frame compatible
- Heartbeat monitoring and sends out an alert when disconnected

TECHNICAL SPECIFICATIONS

Dimensions (mm; WxHxD)	80 x 80 x 8	Protection class	IP40 (when mounted)
Dimensions with antenna	80 x 220 x 45	Connections	8 Pin / Header (CAN bus) Phoenix push in spring or Phoenix screw connector
Mounting	U50 back box Min. depth 50mm Mounting screws at 60mm	Approvals	CE
Material	ABS	Product standards	NEN-EN-IEC 60601-1:2006 NEN-EN-IEC 60601-1-2:2007 NEN-IEC 60601-1-8:2007
LED	Red (status LED)	Product regulations	93/42/EEC MDD (14 June 1993)
Supply voltage	24 Vdc		
Power consumption	400 mW		

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