CS100 & CS100MR Wi-Fi Call Stations

Data Sheet:

Wireless emergency call station for resident distress alerting and monitoring

Product Description

The CS100 & CS100MR (Moisture Resistant) Wi-Fi Call Stations are components of the STANLEY Healthcare Arial Wi-Fi Emergency Call Solution. The wireless, battery-operated fixed-location devices are designed to trigger alarms when the call button is pressed, the pull cord is pulled, or when an optional remote push-button is used.

The Wi-Fi Call Stations are equipped with a large call button, a durable antibacterial pull cord and a dual-purpose Dismiss/Check-In for dismissing alarms and daily resident check-ins.

Triggered alarm information is shown in Arial, and includes the device’s fixed location, resident details and event times.

Additionally, response time and resident check-in reports can be generated by the Arial software.

Key Features

Wi-Fi Compatibility

The Call Stations use any standard Wi-Fi network infrastructure, keeping costs low and making deployments simple and fast. The stations wireless messages are received via Wi-Fi access points.

Beaconing Communication

The Wi-Fi Call Station utilizes lightweight beaconing communication.

Multiple Alarm Activation Options

For duress situations that require immediate assistance or attention, the alarm can be activated by pressing the large call button, pulling the cord, or by pressing an optional push-button cord.

Dual Purpose Dismiss/Check-In Button

The Call Stations offer daily Check-Ins for residents to indicate that they are OK. An alert is generated by Arial if a Check-In is not received. The Check-In button is also used to dismiss a duress alarm.

Battery and External Power

The Call Stations are powered by batteries or an optional 5V power adaptor. The Stations battery levels are constantly monitored and displayed in Arial.

Back-Up Power

When using external power, batteries can be inserted as a source of back-up power, in case of power failures.

Visual and Audible Indications

The Wi-Fi Call Stations include LEDs and a speaker for visual and audible indications.

Product Highlights

- Wi-Fi Compatible
- Large and Tactile Call Button
- Durable Antibacterial Pull Cord
- Battery and Optional AC/DC Power
- Back-Up Power
- Visual and Audible indications
- Resident Check-Ins
- Easy Mounting
- Moisture Resistant (CS100MR)

Easy Mounting

The Stations are supplied with mounting brackets for fast and easy mounting.

Night Illumination

The Call Stations have two (2) dim night illumination LEDs for use in darkness. The LEDs are On by default and can be turned Off if needed. The LEDs provide enough light for comfort and don’t illuminate the room.

Moisture Resistant (CS100MR)

The CS100MR (Moisture Resistant) Wi-Fi Call Station version is for high moisture and humid environments, and is perfect for bathroom placements. The moisture resistant version is easily identified by a ‘Bathroom Moisture Resistant’ marking on the side of the device and back label.
**Product Specifications**

| Part Numbers | SKU: CS-1000  
|              | SKU: CS-1000-MR (Moisture Resistant version) |
| Range        | Indoor range: Up to 80m (260 feet) |
| Physical and Mechanical | Dimensions: 145mm x 84mm x 40mm (5.70in x 3.30in x 1.57in)  
|              | Weight: 200g (7.05oz) |
| Radio        | 802.11 b/g/n compliant (2.4GHz)  
|              | Low frequency receiver for chokepoint detection (125kHz)  
|              | Transmission power: Up to +19dBm (~81mW)  
|              | Patented clear channel sensing avoids interference with wireless networks |
| Security Protocol | WPA2 security with AES-256 encryption |
| Environmental | Temperature: 0°C to 50°C (32°F to 122°F)  
|              | Humidity: 0 to 95% RH non-condensing (CS100)  
|              | Humidity: Condensing (CS100MR)  
|              | Ingress Protection Rating: IP-20 |
| Electrical   | Battery: 3x 3.0V CR123A Lithium batteries (replaceable)  
|              | AC/DC Power input: 5V 2A* |
| Audio        | Adjustable Volume Level: Max 96dBA |
| Certifications | Radio:  
|              | FCC Part 15, sub-part C class B, sub-part B  
|              | EN 300-328, EN 300-330, EN 301-489, RSS 210 (Canada)  
|              | Safety:  
|              | US: cTUVus - UL 60950, IEC60601-1 and applicable, IEC60601-1-X standards.  
|              | Europe: CE mark - EN 60950, IEC/EN 60601-1 and applicable IEC 60601-1-X standards |

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