

Data Sheet:

Bed-Check® Cordless Fall Monitor System

Expand Your Fall Reduction Program with Cordless Capabilities That Enable Improved Safety and a Quieter Environment

Challenges

Patient safety issues are front-of-mind for hospital and senior living facility executives year after year. The need to reduce the number of patient and resident falls is being addressed with increasingly sophisticated solutions that improve the patient experience and reduce the financial and reputational risk to hospitals.

Within this environment, healthcare facilities have enacted fall reduction programs to better prepare and support staff in limiting the likelihood of a fall. But there have been challenges with traditional corded fall management systems, from the risk of tripping and the limited cord length between the sensor pad and the monitoring device, to the possibility of “alarm fatigue” reducing the perceived effectiveness of the systems. Additionally, the inability to use corded fall monitoring systems in facilities that host mental health patients and in many rehabilitation settings, has limited choices in caring for those at-risk patients and residents.

Solution

The Bed-Check Cordless Monitor System includes an easy to use monitor, cordless sensor pads, and a wireless transmitter which enables medical personnel to mount the monitor in a variety of

locations to maximize safety, eliminate tripping hazards, and reduce the “nuisance alarms” that are so prevalent in many healthcare settings today.

How It Works

The Bed-Check Cordless Monitor System uses a cordless sensor pad placed on the chair or bed, which activates when the patient or resident lays or sits on the pad. Patient movement triggers the alarm in the monitor to notify facility staff in the event of premature departure from a bed or chair. The alarm can then be easily reset after an investigation occurs.

- **Cordless Monitor** – Reduces the risk of tripping and meets requirements for psychiatric units and rehabilitation centers
- **Flexible Set-Up** – Option to place monitors outside of patient rooms for a quieter in-room environment
- **Multiple Applications** – Sensor pads available for both bed and chair, with a variety of warranty periods available
- **Silent Alarm** – Helps reduce “alarm fatigue” by muting audible alarms at the bedside and integrating into the Nurse Call system
- **Sleep Mode** – Helps extend battery life while the system is not in use



Product Highlights

- Requires minimum staff training
- Enables a reassuring environment for patients and families
- Supports a quieter patient environment
- Reduces tripping hazards
- Expands fall management capabilities into psychiatric and rehabilitative facilities



Monitor Specifications (72100)	
General	
Size (WHD)	8.5 x 14.8 x 4.0 cm (3.4 x 5.7 x 1.65 in)
Weight	275 g (9.7 oz) (with batteries) 175 g (6.17 oz) (without batteries)
Battery	
Type	Four (4) AA 1.5V
Polarity Protection	Reverse polarity protected
Low Battery Threshold	4.7V +/- 0.2V
Expected Life	> 1 month with no alarms
Environmental	
Operating Temp.	10 – 50° C
Relative Humidity	5 – 90 % RH (non-condensing)
Water and Dust	Ingress Protection (IP) 22
Audible Indicators	
LOW - Min. Level	62dBA – at 1 foot from monitor
HIGH - Max. Level	96dBA – at 1 foot from monitor
LED Indicators	
RED	Pad exit from on-pad monitoring condition
YELLOW	Equipment trouble alerts
GREEN	Monitoring confirmation
Cordless Properties	
Between Monitor and Transmitter – 433.4 MHz	
Range: Up to 30 ft (9.14 m) indoors, 350 ft outdoors	
Communication: Monitor detects any communication failures with the Transmitter within 90 seconds, and then alarms	

Sensormat Pad Specifications (73050, 73060, 74050, 74060)	
General	
Size (WHD): Chair	42.1 x 0.7 x 34.8 cm (16 x 0.3 x 13.7 in)
Bed	103.2 x 0.7 x 29.4 cm (40.7 x 0.7 x 11.6 in)
Weight: Chair	91 g (3.2 oz)
Bed	205 g (7.2 oz)
Environmental	
Operating Temp.	10 – 50° C
Relative Humidity	5 – 90 % RH (non-condensing)
Water and Dust	Ingress Protection (IP) 22

Pad Transmitter Specifications (72110)	
General	
Size (WHD)	6.8 x 1.2 x 5.5 cm (2.7 x 0.5 x 2.2 in)
Weight	46 g (1.6 oz) (with batteries)
Battery	
Type	CR2023 (not replaceable)
Low Batt. Threshold	> 2.2 V
Expected Life	> 6 months (normal use)
Environmental	
Operating Temp.	10 – 50° C
Relative Humidity	5 – 90 % RH (non-condensing)
Water and Dust	Ingress Protection (IP) 22
Interface	
Wire connection to pad via latched connector	
RF transmission at 433.4 MHz to Monitor	

Regulatory Compliance	
IEC/UL:	Conforms with IEC/UL 60601-1 3rd Edition
RoHS:	RoHS Directive – 2002/95/EC
FCC:	47 CFR Part 15, Class B

Buying Guide

Product	Part Number
Cordless Monitor with 4 AA Batteries	72100
Cordless Transmitter	72110
14-Day Chair Pad	73050
180-Day Chair Pad	73060
14-Day Bed Pad	74050
180-Day Bed Pad	74060
Additional Wall Mount Brackets	0141-758
Nurse Call Cable	0707-569
The following items are included with each monitor	
Rubber Bumper	0141-757
Wall Mount Bracket	0141-758
Wire Bracket	0120-123
4 Mounting Screws w/ Plastic Anchors	0980-020
2 Dual-Lock Fasteners	NA