Alert-iT Care Alarms
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Product Fact Sheet

P163 MKIII: General Alarm Monitor

1   Product Description

The General Alarm Monitor platform provides a range of monitoring functions depending on the chosen configuration.

2   Fact Sheet Revision History

Issue	Changes	Date	Author	Date	Approver
1	First Release	24/02/23	J. R	24/02/23	T. B

3   Product Variants

Product variants are indicated with the following nomenclature;

P163 [HARDWARE VARIANT] [LABELLING]

3.1   Hardware Variant

Letter Code	Description
A	Radio Only (434.075 MHz).
B	Wired Only.
D	Radio Only (869.2125 MHz).

3.2   Labelling

Letter Code	Description
A	"Alert-iT" Branding.
B	"Astrid Leisner" Branding.
C	"Picomed" Branding.

For example: **P163DA** is a P163 with "**869 MHz Radio**" and **"Alert-iT Branding**".

4   Configurations

All of the above variants can be configured using profile editor to the following common configurations;

Configuration	Description
C0	Instant Bed & Floor
C1	Instant Bed & Switch
C2	Delayed Bed & Floor
C3	Door
C4	NAV Bed & Floor

If the above pre-sets are not suitable, profile editor can be used to make any adjustments as needed.

5   Product Specifications

5.1   Inputs

Function	Input Type	Description
Press Button	Tactile Press Switch	
Reset Button	Tactile Press Switch	
Input 1	RJ12	Pin 2 = Bed. Pin 3 = Floor / Switch.
Input 2	RJ12	Pin 2 = Bed. Pin 3 = Floor / Switch.
USB	Micro USB Type-B	
2.1mm DC Socket	Red Key (P163C)	Does not power unit. Device turns off when red key is inserted.

5.2   Outputs

Function	Output Type	Description
Alarm LED	Red LED	Blinks every 1s for Urgent Alarms. Blinks every 2s for Help Alarms. Blinks every 3s for Assistance Alarms. Blinks every 6s for Low Battery Fault.
Radio	P163A = 434.075 MHz P163D = 869.2125 MHz	600 meters range (Line of sight). 600 meters range (Line of sight).
Wired Output	RJ12	Pin 1 = Alarm Output: Normally Closed. Pin 3 = Alarm Output: Normally Open. Pin 4 = Alarm Output: Common.
Audible Alarm	Piezo Buzzer	Disabled by default.

5.3   Electrical

Function	Description
Input Voltage	N/A. Battery powered only.
Battery life	1 year to 4 years dependant on number of alarm cycles.
Charge Time	N/A. Not rechargeable.
Batteries	2x AA 1.5V Batteries. Alkaline LR6. (Non-Rechargeable).

5.4   Mechanical

5.4.1   Control Unit

Function	Description
Sealing	IP20 (Not waterproof)
Case Material	White ABS. Anti-microbial.
Weight	160g (Including batteries)
Height	89mm
Width	89mm
Depth	30mm
Fascia Material	Microban Polyester. ISO22196.

5.5   Operating Environment

Description	Specification
Operating Temp	5°C to 35°C (Used indoors)
Humidity	90% max. (non-condensing)

5.6   Classification

Description	Specification
Markings	CE, UKCA.
RoHS2	Yes

6   Compatible Devices

6.1   Sensors

Part Number	Description
P143CAB	Occupancy Sensor (Bed Mat. Large)
P143CBB	Occupancy Sensor (Bed Mat. Small)
P143GAB	Occupancy Sensor (Bed Ribbon. Long)
P144B	Occupancy Sensor (Bed Wedge Leg Sensor)
P149A	Occupancy Sensor (Chair Mat)
P156A	Wired Call Button

6.2   Accessories

Part Number	Description
P163C	Red Key. Device turns off then key is inserted into DC socket.
P159D	Bed Hook
P133H	RJ12 Splitter (Allows two occupancy sensors to be plugged into one input)
P145XX	Nurse Call Leads (various)

6.3   Receiving Equipment

Part Number	Description
P168	Plesio Pager
P137	Advanced Pager (Various Models)
P155B	Connect-iT Nurse Call Receiver
P199	Carer Call Wall Display
P190	Alert-iT Logging Hub