

 CareTech®

Call for care

Extend the range of your radio unit



mBox Repeater

mBox Repeater is a radio receiver and transmitter in the same unit. By placing an mBox Repeater between a wireless assistance alarm and the alarm-receiving unit you can increase the effective range of the radio unit and be certain that the signal from a radio alarm button that is currently located by the letter box or in the basement will reliably reach the receiver. mBox Repeater can easily be connected to both CareTech's internal system and to CareTech's various carephones and alarm transmitters. It can also be connected to existing alarm systems, providing a high degree of flexibility for individuals in care and for internal alarm systems as a whole.

At CareTech we develop our products and solutions in collaboration with customers and users. CareTech products and know-how offer users, care staff and relatives a reassuring complete solution that gives them extra peace of mind.



mBox Repeater

mBox Repeater automatically re-broadcasts an incoming radio signal from an alarm button, generally doubling the signal range. mBox Repeater can be connected to both System 5000 and CareTech's carephones. mBox has extremely low power consumption. It can be connected to a central power supply or be battery-operated, which gives it a runtime of 6–24 months depending on function and usage. mBox can also be used in the following applications:

- Radio receiver
- Radio transmitter
- Door alarm
- Input/Output unit

Under the cover is a function selector switch. A red/green LED indicates status.

Technical data

Power supply	9–30 VDC or 2 x 1.5 V LR06 (AA) alkaline batteries
Power consumption (battery operation)	45 μ A in radio box/door alarm mode 25 mA when input is activated (3 seconds) 100 μ A in receiver mode 70 mA when output is activated
Battery alarm	Automatic
Power consumption	30 mA in normal mode (external supply) 100 mA when output is activated
Radio	Long-term station keeping, broadband: 868.35 MHz
No. of radio transmitters	Up to 8 per output
Data bus	RS-485
Outputs	2 relay outputs, one of which is switching. Max. 1 A/30 VDC
Inputs	2, opening/closing function, programmable alarm types
Dimensions	110 x 70 x 25 mm
Temperature range	0–40°C
For more information	See Technical Manual
Article number	1-52008A

Approval

CE -marked. Complies with relevant standards.

Manufactured in accordance with the new RoHS directive, 2002/95/EC



(Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment)

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Caretech System PTY LTD
Box 83 Clontarf Beach
Tel: (07) 32842700
Fax: (07) 32842502
sales@caretech.com.au
www.caretech.com.au