

 CareTech®

Call for care

Radio receiver
Input/Output module
Repeater
Radio transmitter
Door alarm



mBox in an internal system

mBox is a versatile radio transmitter and receiver that can be used for a variety of different applications to increase flexibility and provide a complete alarm system you can depend on. mBox can, for example, be used to extend the coverage of radio alarm buttons to include outdoor areas and basement floors, or to connect an alarm to a toilet without having to run wiring to a central unit. mBox 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 in an internal system

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. Functions can be timer-controlled thanks to the built-in real-time clock. Certain parameters can be programmed locally using CareTech's programming unit, or programmed centrally using the Omni central unit.

Applications:

- Bus-connected radio receiver supplements a System 5000 by giving extended radio coverage.
- Bus-connected I/O module supplements a System 5000 by adding programmable inputs and outputs.
- Repeater extends radio coverage of System 5000.
- Radio transmitter for connecting wired alarm transmitters.
- Door alarm with bypass function.

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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