

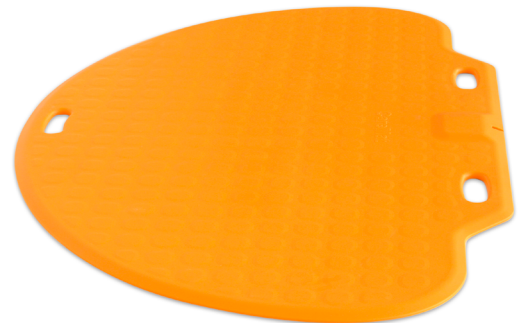


CareMat® C

The pressure-sensitive mat for supervision of people with dementia and disorientation

Product Description

CareMat® is used in retirement and nursing homes as well as in hospitals and similar facilities. It is placed beside the patient's bed and connected to the in-house nurse call system. As soon as the person leaves the bed and steps onto the CareMat®, a signal is triggered via the nurse call system. This allows the personnel on duty to establish at any time of the day or night, when and where a patient got out of bed. As a result, CareMat® contributes to providing assistance immediately, thus significantly reducing the risk of falls or the danger of patient wandering.



Selection chart

CareMat® **C** **01** **T** **E868**

Dimension code

- A 1100 x 700 mm
- B 700 x 400 mm
- C 1100 x 700 mm, semi-circular
- M 283 x 202 mm, sample

Case Dimension code

- 01 56 x 38 x 10 mm

Type code

- E Empty
- C Cable, bare ends
- T Transmitter
- P PCB, additional functions

Transmitter type code

- B434 Bosch 434 MHz
- E868 ELDAT 868 MHz
- L433 Lehmann electronic 433 MHz
- L869 Lehmann electronic 869 MHz

Features

- Dimensions 1100 x 700 mm
- Hard-wired and wireless versions
- A robust and reliable alarm sensor
- Hygienic: easily cleaned and resistant to bodily fluids
- A high-quality Swiss product that has been on the market since 2006

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Model list

Product	Part number	Description
CareMat C01E	310762	1100 x 700 mm semi-circular / empty housing
CareMat C01C	310761	1100 x 700 mm semi-circular / cable
CareMat C01P	310765	1100 x 700 mm semi-circular / universal PCB
CareMat C01T B434	310763	1100 x 700 mm semi-circular / Bosch radio transmitter 434 MHz
CareMat C01T E868	310764	1100 x 700 mm semi-circular / ELDAT radio transmitter 868 MHz
CareMat C01T L433	338804	1100 x 700 mm semi-circular / Lehmann radio transmitter 433 MHz
CareMat C01T L869	338806	1100 x 700 mm semi-circular / Lehmann radio transmitter 869 MHz

Technical Specifications

Characteristics

■ CareMat General

Dimensions	1100 x 700 x 9 mm
Weight	6.5 kg
Material	Polyurethane PU
Colour	care yellow
Surface	Nub structure with sloped edges
Person activation weight	Min. 10 kg
Chemical resistance	Water, bodily fluids, commercially available disinfectants, max. 70 % vol. alcohol
Protection class	IP 54, dust- and splash-proof
Temperature range	0 to +55 °C

■ CareMat versions with cable

CareMat C01E

Connection	This CareMat can be equipped by cable or various transmitters
EC-Conformity	RoHS 2011/65/EC

CareMat C01C

Cable Length	3 m
Cable cross-section	Ø 5.1 +/- 2 mm
Cable type	2 wires
Wire cross section	≤ 0.14 mm ²
Signal output	Normally open contact (NO)
Admissible capacity	Max. 50 mA at 48 V AC/DC
EC-Conformity	RoHS 2011/65/EC

Characteristics

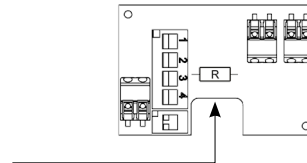
CareMat C01P

Cable Length	3 m
Cable cross-section	Ø 5.1 +/- 2 mm
Cable type	4 wires
Wire cross section	0.14 mm ²
Signal output	Normally open contact (NO) or resistance monitoring (acc. to VDE 0834)
Operating voltage	3-24 VDC
Operating current	Max. 25 mA
EC-Conformity	RoHS 2011/65/EC, EMC 2004/108/EC

Functionalities universal PCB The CareMat A01P (P= circuit board) includes a universal circuit board in the housing. The universal circuit board can be adapted to your needs by altering the switch positions. The wiring on the universal circuit board must not be removed. The connections are protected against wrong polarity of input voltage.

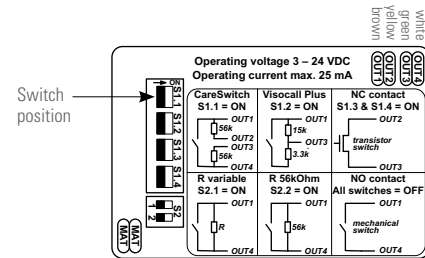
Variable resistance R

The universal circuit board has two connector sockets for commercially-available wired resistors. A call resistor that is specifically for the call system for line monitoring can be installed in this. The connecting wiring should have a diameter between 0.38 and 0.56 mm. The socket spacing should be 14 mm.



NC contact

The NC (normally closed) contact option that can be selected on the universal PCB is a transistor circuit that operates according to the quiescent current principle. If the CareMat is not actuated, a quiescent current flows through the NC contact as a result of the externally applied voltage. If the resident / patient actuates the CareMat by stepping on it, this NC contact is opened. This can be detected by a nurse call system operating according to the quiescent current principle that monitors the current flow.



CareMat wireless versions

CareMat C01T B434

Radio transmitter	BOSCH, 1 channel, unidirectional
Radio frequency	434.01 MHz, BOSCH-TeleAlarm protocol
Radio range	250 m (in free field), 30 m (in building)
Battery type	1x CR2032, 3V Lithium
Battery lifetime	3 years (at 3 alarms and 1 daily test transmission)
EC-Conformity	RoHS 2011/65/EC, R&TTE Directive 1999/5/EC

CareMat C01T E868

Radio transmitter	ELDAT, 1 channel, unidirectional
Radio frequency	868.30 MHz, EasyWave® protocol
Radio range	250 m (in free field), 30 m (in building)
Battery type	1x CR2032, 3V Lithium
Battery lifetime	2 years
EC-Conformity	RoHS 2011/65/EC, R&TTE Directive 1999/5/EC

CareMat C01T L433

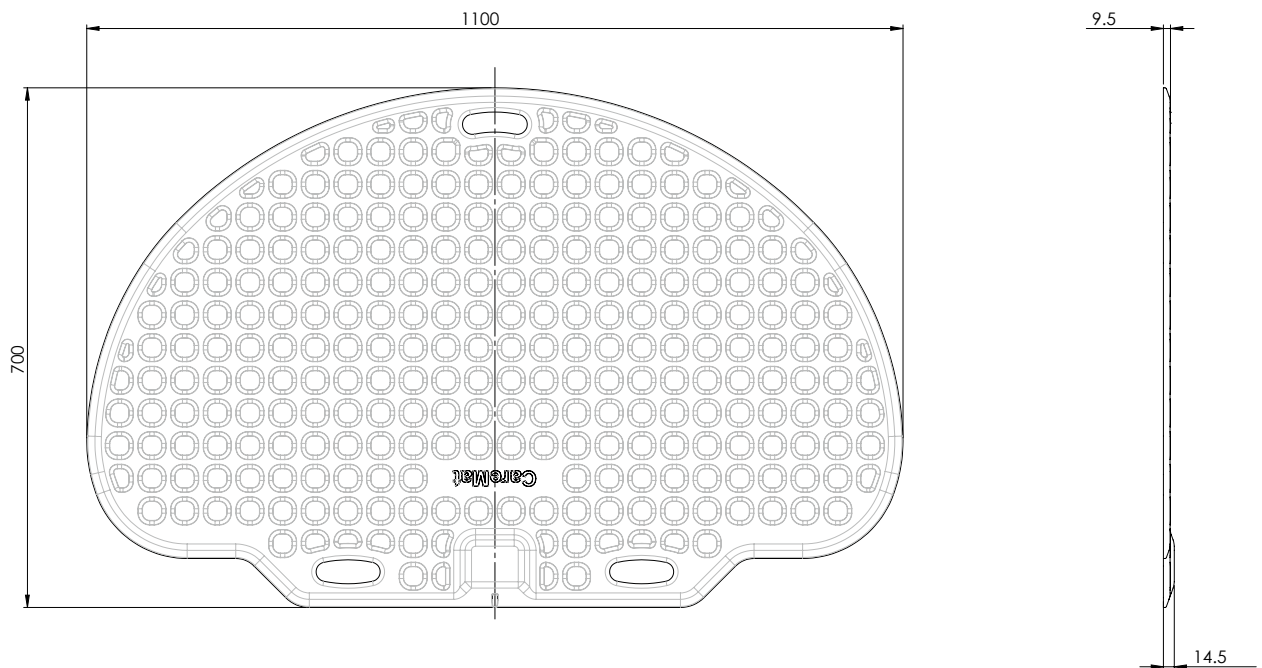
Radio transmitter	Lehmann electronic VarioRec®, 1 channel, unidirectional
Radio frequency	433.92 MHz, VarioRec® protocol
Radio range	100 m (in free field), 30 m (in building)
Battery type	1x 3 V Lithium button cell CR2032
Battery lifetime	3 years
Battery monitoring	Battery low, recognition with radio transfer
EC-Conformity	RoHS 2011/65/EC, R&TTE Directive 1999/5/EC

Characteristics

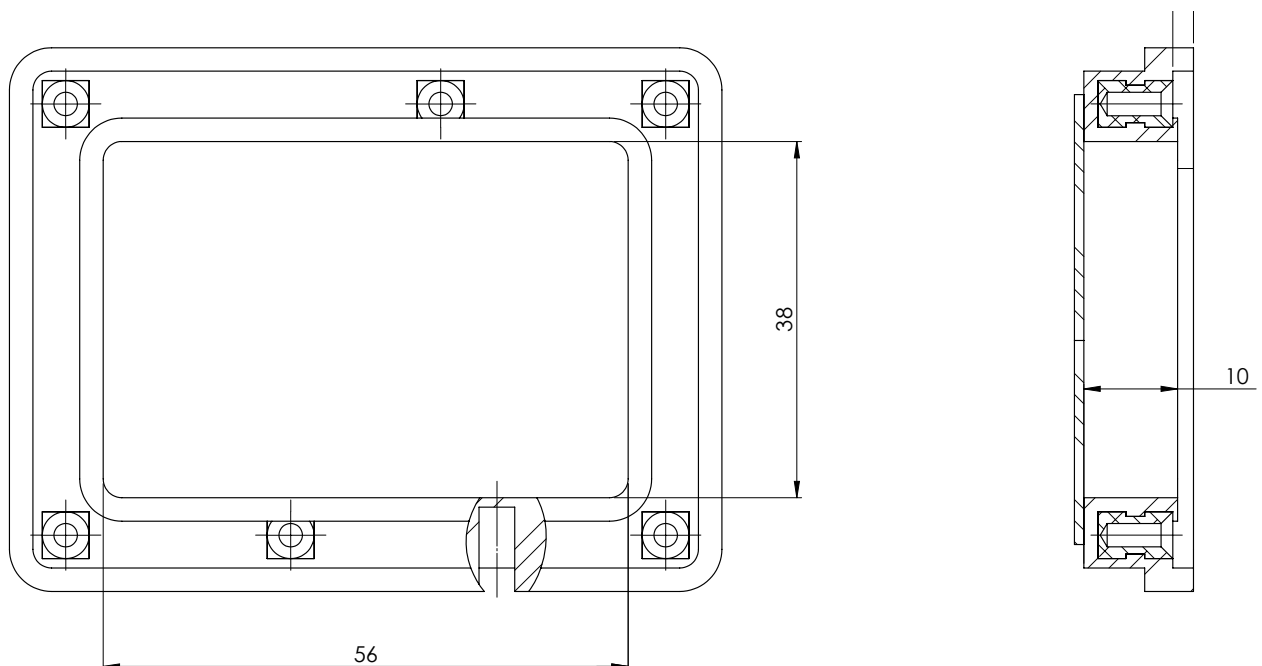
CareMat C01T L869

Radio transmitter	Lehmann electronic VarioRec®, 1 channel, unidirectional
Radio frequency	869.2125 MHz, VarioRec® protocol
Radio range	100 m (in free field), 30 m (in building)
Battery type	1x 3 V Lithium button cell CR2032
Battery lifetime	3 years
Battery monitoring	Battery low, recognition with radio transfer
EC-Conformity	RoHS 2011/65/EC, R&TTE Directive 1999/5/EC

CareMat Dimensions

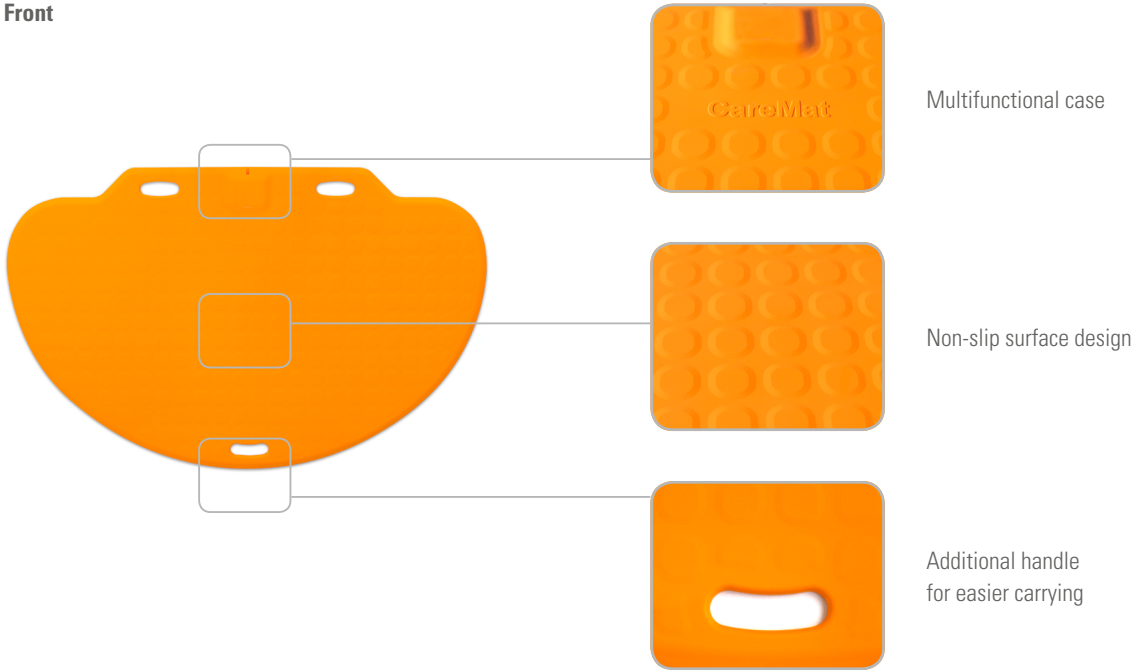


Case Dimensions

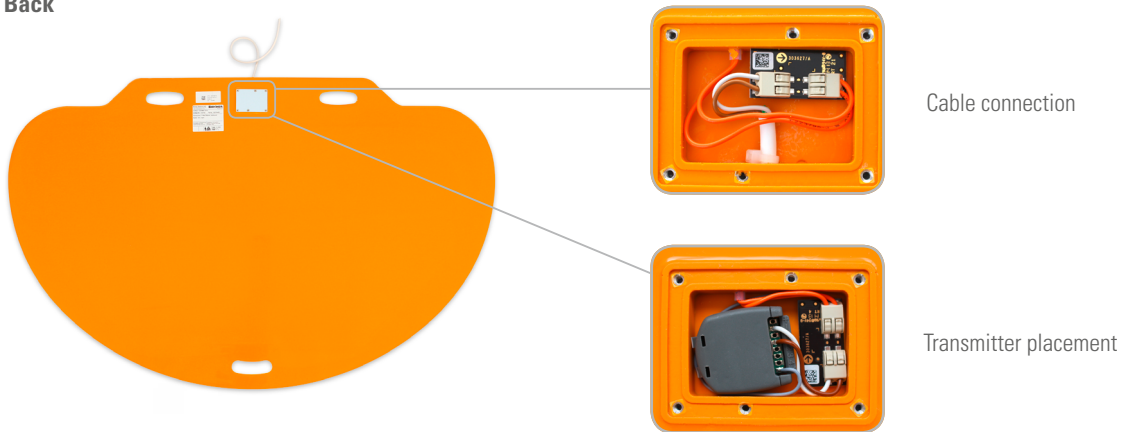


Product Details

Front



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Packaging



Find out more about the product online
www.caremat.ch

