

# 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	0	1	T	E868
■ <b>Dimension code</b>						
A						
B						
C						
M						
■ <b>Colour code</b>						
0						
1						
■ <b>Case code</b>						
1						
■ <b>Type code</b>						
E						
C						
P						
T						
■ <b>Transmitter type code</b>						
B434						
E868						
L433						
L869						
T868.8						

### Features

- Dimensions 1100 x 700 mm
- Hard-wired and wireless versions
- A robust and reliable alarm sensor
- Hygienic: Easy to clean and resistant to bodily fluids

### Content

- 1 Product description  
Selection chart  
Features
- 2 Model list  
Technical specifications
- 3 Technical specifications  
CareMat dimensions  
Case dimensions
- 4 Technical specifications  
CareMat dimensions  
Case dimensions
- 5 Product details

**CE** The EU Declarations of Conformity are available at the following address:  
<https://smartaccess.bircher.com/en/downloads/>

## Model list

Product	Colour	Part number	Description
CareMat	C01E	Careyellow	1100 x 700 mm, semi-circular / empty housing
	C11E	Caregrey	
CareMat	C01C	Careyellow	1100 x 700 mm, semi-circular / cable
	C11C	Caregrey	
CareMat	C01P	Careyellow	1100 x 700 mm, semi-circular / universal PCB with cable
	C11P	Caregrey	
CareMat	C01T B434	Careyellow	1100 x 700 mm, semi-circular / TeleAlarm® radio transmitter 434.01 MHz
	C11T B434	Caregrey	
CareMat	C01T E868	Careyellow	1100 x 700 mm, semi-circular / ELDAT radio transmitter 868.30 MHz
	C11T E868	Caregrey	
CareMat	C01T L433	Careyellow	1100 x 700 mm, semi-circular / Lehmann radio transmitter 433.92 MHz
	C11T L433	Caregrey	
CareMat	C01T L869	Careyellow	1100 x 700 mm, semi-circular / Lehmann radio transmitter 869.2125 MHz
	C11T L869	Caregrey	
CareMat	C01T T868.8	Careyellow	1100 x 700 mm, semi-circular / TeleAlarm® radio transmitter 868.8 MHz
	C11T T868.8	Caregrey	

## Technical Specifications

### Characteristics

#### CareMat General

Dimensions	Surface: 1100 x 700 x 9.5 mm / height standard case 1: 14.5 mm
Weight	6.5 kg
Material	Polyurethane PU
Colour	Careyellow / Caregrey
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	IP54, dust- and splash-proof
Temperature range	0 to +55 °C

#### CareMat versions with cable

##### CareMat C01E / C11E

Connection	This CareMat can be equipped by cable or various transmitters.
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##### CareMat C01C / C11C

Cable	Length 3 m, diameter 5.2 ± 0.2 mm, cable colour white
Cable type	4-wire, LiYYv 4 x 0.34 mm², wire colours BN/YE/GN/WH, open cable head
Cable as spare part	According to above specifications available, part number 307131
Signal output	Normally open contact (NO)
Admissible capacity	Max. 50 mA at 48 V AC/DC

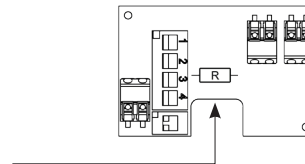
## Characteristics

### CareMat C01P / C11P

Cable	Length 3 m, diameter 5.2 ± 0.2 mm, cable colour white
Cable type	4-wire, LiYYv 4 x 0.34 mm², wire colours BN/YE/GN/WH, open cable head
Cable as spare part	According to above specifications available, part number 307131
Signal output	Normally open contact (NO) or resistance monitoring (acc. to VDE 0834)
Operating voltage	3-24 V DC
Operating current	Max. 25 mA
Functionalities universal PCB	The CareMat C01P / C11P (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.

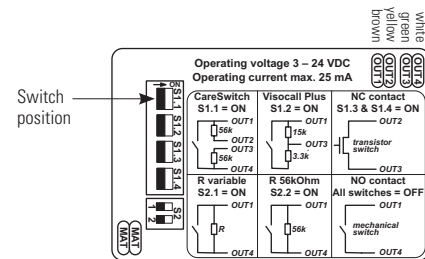
#### Variable resistance R

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, which can be selected on the universal PCB, is a transistor circuit. It 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 / C11T B434

Radio transmitter	TeleAlarm®, 1 channel, unidirectional
Radio frequency	434.01 MHz, TeleAlarm® protocol
Radio range	up to 30 m in buildings, dependent on structural building conditions (up to 250 m in free field)
Battery type	1 x CR2032, 3 V Lithium button cell
Runtime; battery	3 years (at 3 alarms and 1 daily test transmission)

#### CareMat C01T E868 / C11T E868

Radio transmitter	ELDAT, 1 channel, unidirectional
Radio frequency	868.30 MHz, EasyWave® protocol
Radio range	up to 30 m in buildings, dependent on structural building conditions (up to 250 m in free field)
Battery type	1 x CR2032, 3 V Lithium button cell
Runtime; battery	2 years

#### CareMat C01T L433 / C11T L433

Radio transmitter	Lehmann electronic VarioRec®, 1 channel, unidirectional
Radio frequency	433.92 MHz, VarioRec® protocol
Radio range	up to 30 m in buildings, dependent on structural building conditions (up to 100 m in free field)
Battery type	1 x CR2032, 3 V Lithium button cell
Runtime; battery	3 years
Battery monitoring	Battery low message

#### CareMat C01T L869 / C11T L869

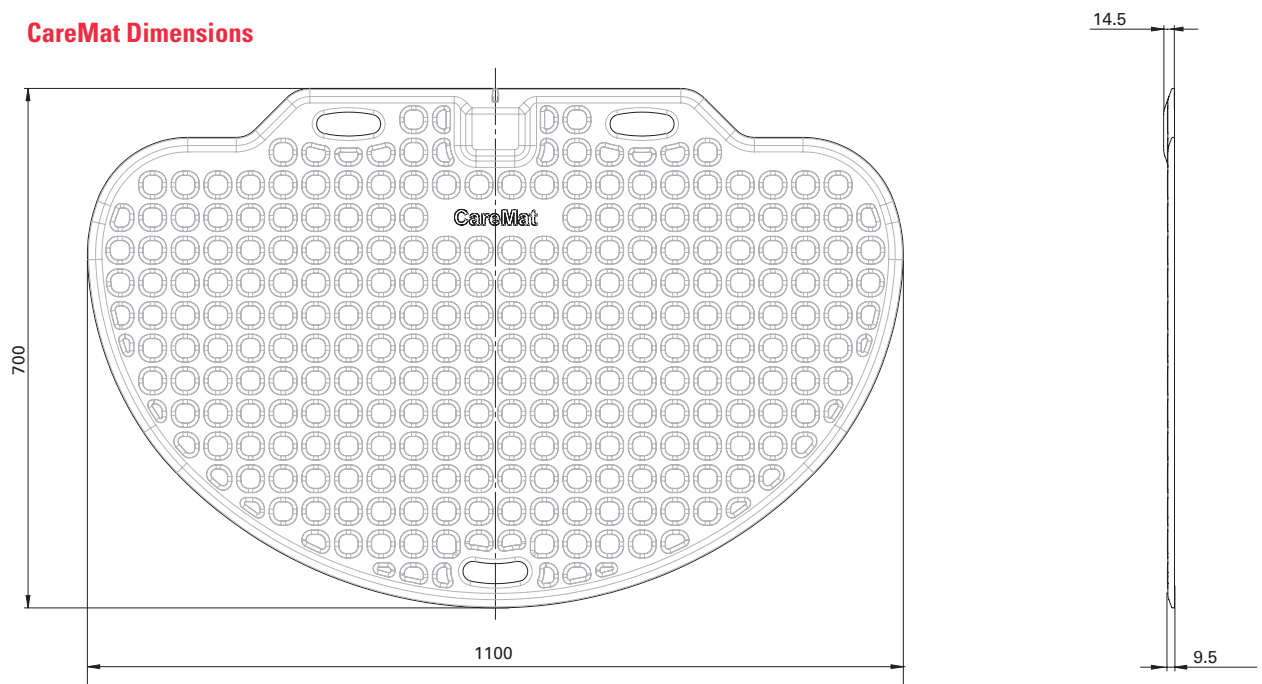
Radio transmitter	Lehmann electronic VarioRec®, 1 channel, unidirectional
Radio frequency	869.2125 MHz, VarioRec® protocol
Radio range	up to 30 m in buildings, dependent on structural building conditions (up to 100 m in free field)
Battery type	1 x CR2032, 3 V Lithium button cell
Runtime; battery	3 years
Battery monitoring	Battery low message

## Characteristics

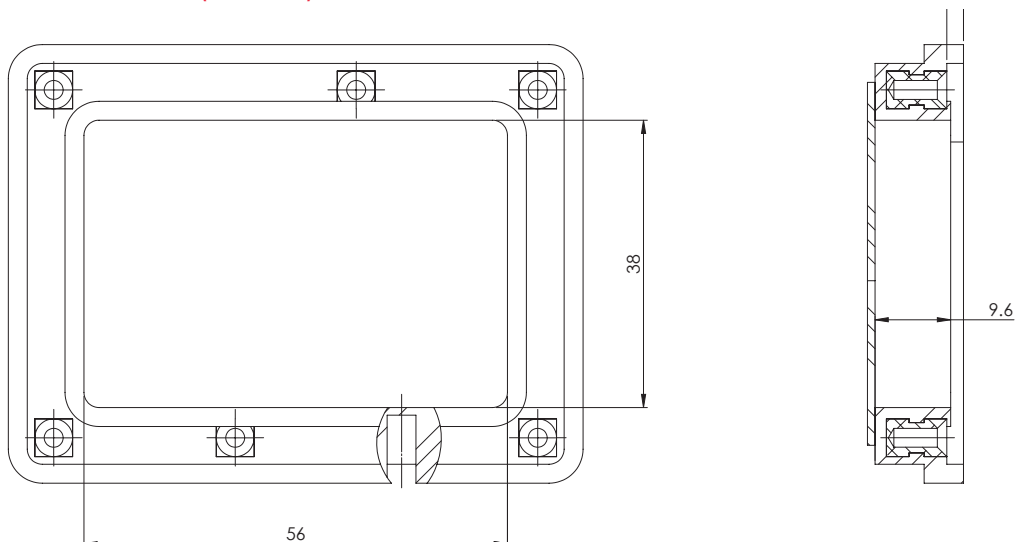
### CareMat C01T T868.8 / C11T T868.8

Radio transmitter	TeleAlarm® UPCBA80; Signalling protocol TeleAlarm® NurseCall 8
Radio frequency	868.8 MHz bidirectional
Radio range	up to 30 m in buildings, dependent on structural building conditions (up to 100 m in free field)
Battery type	1x CR2430, 3 V Lithium
Runtime; battery	depending on use up to 2.5 years
Battery monitoring	Battery low message

### CareMat Dimensions

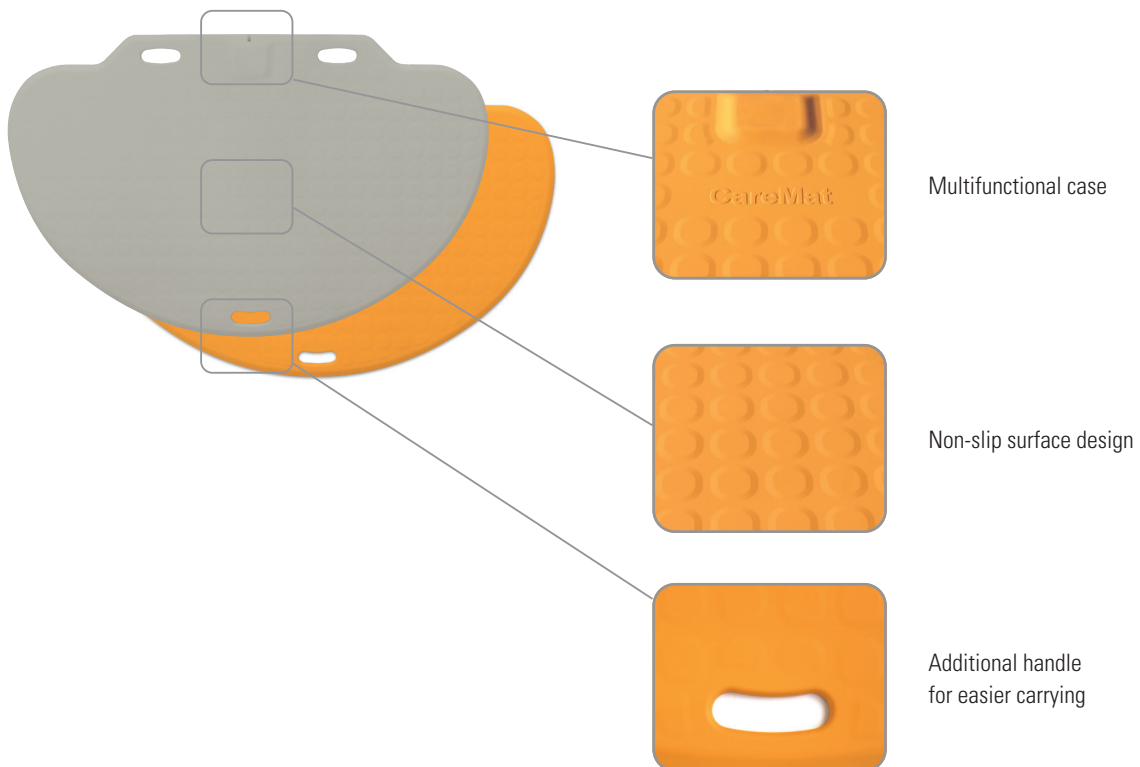


### Case Dimensions (Standard)

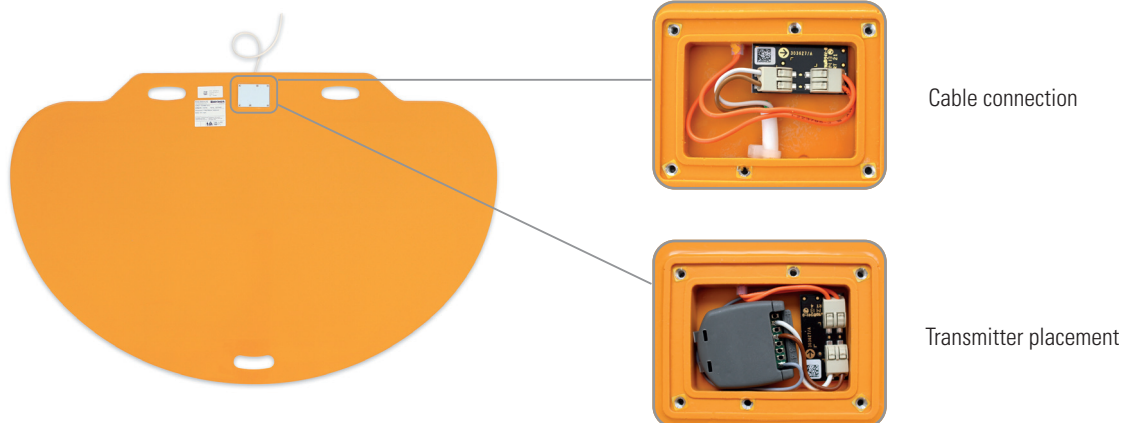


## Product Details

### Front



### Back



### Packaging



Find out more about the product online  
[www.caremat.ch](http://www.caremat.ch)

