### 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

- **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

- **Colour code**
  - 0 Careyellow
  - 1 Caregrey

- **Case code**
  - 1 56 x 38 x 9.6 mm

- **Type code**
  - E Empty
  - C Open cable head
  - P PCB, additional functions
  - T Transmitter

- **Transmitter type code**
  - B434 TeleAlarm® 434.01 MHz
  - E868 ELDAT 868.30 MHz
  - L433 Lehmann electronic 433.92 MHz
  - L869 Lehmann electronic 869.2125 MHz
  - T868.8 TeleAlarm® 868.8 MHz

The EU Declarations of Conformity are available at the following address:


#### 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

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Model list

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<tr>
<th>Product</th>
<th>Colour</th>
<th>Part number</th>
<th>Description</th>
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<tbody>
<tr>
<td>CareMat</td>
<td>C01E</td>
<td>Careyellow</td>
<td>310762</td>
</tr>
<tr>
<td>C11E</td>
<td>Caregrey</td>
<td>357824</td>
<td>1100 x 700 mm, semi-circular / empty housing</td>
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<tr>
<td>CareMat</td>
<td>C01C</td>
<td>Careyellow</td>
<td>310761</td>
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<td>C11C</td>
<td>Caregrey</td>
<td>357823</td>
<td>1100 x 700 mm, semi-circular / cable</td>
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<tr>
<td>CareMat</td>
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<td>Careyellow</td>
<td>310765</td>
</tr>
<tr>
<td>C11P</td>
<td>Caregrey</td>
<td>357827</td>
<td>1100 x 700 mm, semi-circular / universal PCB with cable</td>
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<tr>
<td>CareMat</td>
<td>C01T B434</td>
<td>Careyellow</td>
<td>310763</td>
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<tr>
<td>C11T B434</td>
<td>Caregrey</td>
<td>357825</td>
<td>1100 x 700 mm, semi-circular / TeleAlarm® radio transmitter 434.01 MHz</td>
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<tr>
<td>CareMat</td>
<td>C01T E868</td>
<td>Careyellow</td>
<td>310764</td>
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<tr>
<td>C11T E868</td>
<td>Caregrey</td>
<td>357826</td>
<td>1100 x 700 mm, semi-circular / ELDAT radio transmitter 868.30 MHz</td>
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<tr>
<td>CareMat</td>
<td>C01T L433</td>
<td>Careyellow</td>
<td>338904</td>
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<tr>
<td>C11T L433</td>
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<td>1100 x 700 mm, semi-circular / Lehmann radio transmitter 433.92 MHz</td>
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<td>CareMat</td>
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<td>338906</td>
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<td>C11T L869</td>
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<td>1100 x 700 mm, semi-circular / Lehmann radio transmitter 869.2125 MHz</td>
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<tr>
<td>CareMat</td>
<td>C01T T868.8</td>
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<td>429253</td>
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<tr>
<td>C11T T868.8</td>
<td>Caregrey</td>
<td>429254</td>
<td>1100 x 700 mm, semi-circular / TeleAlarm® radio transmitter 868.8 MHz</td>
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</tbody>
</table>

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.

CareMat C01C / C11C

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

**Functionality 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.

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**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**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio transmitter</td>
<td>TeleAlarm® UP2BA80; Signalling protocol TeleAlarm® NurseCall 8</td>
</tr>
<tr>
<td>Radio frequency</td>
<td>868.8 MHz bidirectional</td>
</tr>
<tr>
<td>Radio range</td>
<td>up to 30 m in buildings, dependent on structural building conditions (up to 100 m in free field)</td>
</tr>
<tr>
<td>Battery type</td>
<td>1x CR2430, 3 V Lithium</td>
</tr>
<tr>
<td>Runtime; battery</td>
<td>depending on use up to 2.5 years</td>
</tr>
<tr>
<td>Battery monitoring</td>
<td>Battery low message</td>
</tr>
</tbody>
</table>

### CareMat Dimensions

![CareMat Dimensions](image)

### Case Dimensions (Standard)

![Case Dimensions (Standard)](image)
Multifunctional case
Non-slip surface design
Additional handle for easier carrying
Cable connection
Transmitter placement

Product Details

BBC Bircher Smart Access
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Find out more about the product online
www.caremat.ch