

General Safety Instructions for Installation and Use of Caravita Products

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1. Target group

Minimum requirements for installation and repair

Installation/repair instructions are intended for qualified technicians and fitters.

Qualified technicians require good technical skills, either due to formal training in this trade or due to extensive experience with Caravita or comparable products. Qualified technicians must be able to read the instructions in the local language, understand them and apply them when installing and/or commissioning the equipment.

Basic knowledge

- Occupational protection,
- Accident prevention regulations,
- Using ladders and scaffolding,
- Cargo securing,
- Handling and transporting long and heavy components,
- Handling tools and machines,
- Assessing the building structure,
- Applying fixing material,

particularly instructions for installing dowel anchorings

Technical knowledge

- Commissioning of the product
- Operation of the product

Minimum requirements for connecting drives

Setting instructions and wiring diagrams are intended for certified electricians.

Qualified certified electricians must have good technical skills as a result of formal training in this trade and because of extensive experience with Caravita products or comparable products. Qualified technicians must be able to read the instructions in the local language, understand them and apply them when installing and/or commissioning the equipment.

Basic knowledge

- Specific knowledge of VDE 0100 or the legal standards and regulations that apply in the country of use

Technical knowledge

- Commissioning of the product
- Operation of the product

2. Parasols

The safety instructions and warnings described here are intended to safeguard your health and to protect the product. These instructions must be carefully read and followed.

Damage resulting from inappropriate use or the failure to follow these instructions is not covered by the warranty. Liability will not be accepted for any consequential damage.

General information: Preparations for installation

Improper installation may impair the safety, function and service life of the product. It may result in injury to persons and/or cause damage to the product and adjacent parts.

- Comply with the specified installation steps and their sequence.

- Install the product only if it is in technically flawless condition.
- Check the mounting substructure to make sure it can bear the loads before installation.
- The installation location and the path of the product must be cordoned off.
- Dispose of the packaging material appropriately.

General information: Installation location

Installation of the product in escape routes is prohibited. In the event of an emergency (e.g. a fire), it may not be possible to clear the escape route and persons may be seriously injured or killed.

- The national regulations on the installation of products in front of safety systems (e.g. emergency exits, escape doors and emergency windows) must be complied with.

General information: Operation in the event of a power supply interruption

An electrically-operated product cannot be operated without power or is more difficult to use. An extended product may be subjected to impermissible loads when bad weather is passing or during power failures. This may also result in serious personal injury and/or damage to the product.

- In windy areas with frequent power failure, a manual operating system is beneficial.

General information: Fixing and fixing material

Improper fixing may impair the safety, function and service life of the product. The product may detach from the wall or tip over. This may result in injury to persons and/or cause damage to the product and adjacent parts.

- The fixing material used must be suitable for the mounting substructure.

- The fitter is responsible for the correct selection of fixing materials and adhering to the installation specifications of the fixing material manufacturer.
- The specified number of fixings and their fixing points must be adhered to.

General information: Electrical connection

Improper handling of live parts or the failure to comply with the supplied instructions may impair the safety and function of the product. Persons may come into contact with potentially live parts and become injured. The electrical installation in buildings may be affected.

- The instructions of the supplied drives, control units, heating systems, light rails, etc., must be followed.
- The electronic component is only permitted to be connected if the power supply on-site matches the specifications in the instructions.
- Before installation, deactivate all lines and control systems that are not essential for installation.
- All lines must be kept away from the drive and/or movable parts.
- Electrical connections shall be kept away from standing and flowing water.

General information: Position of the operating element in electrically operated products

An operating element that is in the wrong position can impair the ability to operate the product. The operating element must be accessible to all operators.

- The national regulations in regard to disabled persons must be observed.

General information: Potential hazard during commissioning

Incorrect operation when the product is in motion may lead to squashed limbs. Objects may also be damaged.

- Do not reach into the movable parts while the product is being commissioned.
- Do not reach into the product openings while the product is being commissioned.
- Keep people and animals out of the path of the product.
- Remove obstacles from the path of the product.
- Check the canopy for potential loads
- The parasol may tip if there are significant wind loads
- Do not use naked flames below or in the direct vicinity of the parasol.

Radiant heater: General information

Use radiant heaters only as described in the operating instructions. Failure to comply with these instructions when operating the product may result in personal injury and/or property damage.

Radiant heater: distance to danger area

It is not permissible to fall below the minimum clearance between the heat source and the floor or another continuously accessible area, nor is it permissible to fall below the minimum clearance to other boundaries or flammable materials. Persons may become injured from contact with hot surfaces.

- The radiant heater shall be installed on the parasol according to the installation instructions. The clearances and dimensions shall be adhered to.

Radiant heater: Risks posed by the product

Improper use may impair the safety, function and service life of the product. This may result in injury to persons and/or cause damage to the product and adjacent parts.

- If the radiant heater is switched on, do not touch it directly. Contact with the radiant heater may lead to burns.
- Switch off the radiant heater 3 minutes before you close the parasol; always switch it off on the housing too. The parasol fabric is sensitive; the colour may rub off and it is flammable.
- Do not hold on to the product or lean objects against it.
- Never cover the radiant heater.
- Comply with the operating notes.

Parasols with rain gutter:

Gutters shall be removed before you close the parasol. Gutters may clog with leaves, moss and dirt. This may cause the gutters to overflow when it rains. Rain gutters are made from fabric and flammable.

- Rain gutters need to be cleaned regularly.
- Ensure that there is no contact between heat sources and the gutters.

General information: Thunderstorms

The parasol is not a safe place to seek protection from a thunderstorm. This may become a lightning rod in the event of a storm.

- Never seek shelter under the parasol in a thunderstorm.
- Do not open the parasol in the event of storms and strong winds.

Parasols with side panels:

The side panels are made of fabric and are flammable. There is a risk of suffocation in closed rooms and tents.

- Ensure that there is no direct contact between heat sources and side panels.
- Ventilate the space below the parasol regularly.

3. Parasol bases

The safety instructions and warnings described here are intended to safeguard your health and to protect the product. These instructions must be carefully read and followed.

Damage resulting from inappropriate use or the failure to follow these instructions is not covered by the warranty. Liability will not be accepted for any consequential damage.

General information: Preparations for installation

Improper installation may impair the safety, function and service life of the product. It may result in injury to persons and/or cause damage to the product and adjacent parts.

- Comply with the specified installation steps and their sequence.
- Install the product only if it is in technically flawless condition.
- Check the mounting substructure to make sure it can bear the loads before installation.
- The installation location and the path of the product must be cordoned off.
- Dispose of the packaging material appropriately.

General information: Installation location

Installation of the product in escape routes is prohibited. In the event of an emergency (e.g. a fire), it may not be possible to clear the escape route and persons may be seriously injured or killed.

- The national regulations on the installation of products in front of safety systems (e.g. emergency exits, escape doors and emergency windows) must be complied with.
- The parasol base may be set up only on bases without upslopes and downslopes.

General information: Fixing and fixing material

Improper fixing may impair the safety, function and service life of the product. This

may result in injury to persons and/or cause damage to the product and adjacent parts.

- The fixing material used must be suitable for the mounting substructure.
- The fitter is responsible for the correct selection of fixing materials and adhering to the installation specifications of the fixing material manufacturer.
- The specified number of fixings and their fixing points must be adhered to.
- In acute emergency cases, the fitter must contact a qualified structural engineer.

General information: Electrical connection

Improper handling of live parts or the failure to comply with the supplied instructions may impair the safety and function of the product. Persons may come into contact with potentially live parts and become injured. The electrical installation in buildings may be affected.

- The instructions of the supplied drives, control units, light rails, etc., must be followed.
- The electronic component is only permitted to be connected if the power supply on-site matches the specifications in the instructions.
- Before installation, deactivate all lines and control systems that are not essential for installation.
- All lines must be kept away from the drive and/or movable parts.
- Electrical connections shall be kept away from standing and flowing water.

General information: Potential hazard during installation

If the parasol bases are not installed professionally, this may affect the product's safety, function and durability. It may result in injury to persons and/or cause damage to the product and adjacent parts.

- During installation, do not reach under the product or into open spaces.

- Keep people and animals out of the path of the product.
- Remove obstacles from the path of the product.
- Parasol bases may tip over in the event of carelessness.
- Do not reach under the parasol bases when they are being installed.
- Take into account the parasol base's maximum loads.

Multicube: Movement

If the Multicube is moved unprofessionally, it may impair the safety, function and durability

4. Sun sail

The safety instructions and warnings described here are intended to safeguard your health and to protect the product. These instructions must be carefully read and followed.

Damage resulting from inappropriate use or the failure to follow these instructions is not covered by the warranty. Liability will not be accepted for any consequential damage.

General information: Preparations for installation

Improper installation may impair the safety, function and service life of the product. It may result in injury to persons and/or cause damage to the product and adjacent parts.

- Comply with the specified installation steps and their sequence.
- Install the product only if it is in technically flawless condition.
- Check the mounting substructure to make sure it can bear the loads before installation.
- The installation location and the path of the product must be cordoned off.
- Measure and prepare the foundation properly.
- Dispose of the packaging material appropriately.

of the product. Personal injuries may occur when the parasol base is moved.

- Move the Multicube only professionally and using the intended lifting rig.
- Always close the parasol before moving the Multicube.
- When moving the parasol base, always enlist a second person to hold and secure it.
- When the Multicube is being moved, do not reach under or into free spaces. Wear safety gloves.

General information: Installation location

Installation of the product in escape routes is prohibited. In the event of an emergency (e.g. a fire), it may not be possible to clear the escape route and persons may be seriously injured or killed.

- The national regulations on the installation of products in front of safety systems (e.g. emergency exits, escape doors and emergency windows) must be complied with.

General information: Fixing and fixing material

Improper fixing may impair the safety, function and service life of the product. The product may detach from the wall or tip over. This may result in injury to persons and/or cause damage to the product and adjacent parts.

- The fixing material used must be suitable for the mounting substructure.
- The fitter is responsible for the correct selection of fixing materials and adhering to the installation specifications of the fixing material manufacturer.
- The specified number of fixings and their fixing points must be adhered to. The fixing nuts shall be secured using counter nuts.

General information: Potential hazard during installation and dismantling

Incorrect operation can result in personal injuries during installation and/or dismantling. Objects may also be damaged.

- Cables are subject to basic tension; ensure that cables are relaxed before dismantling.

General information: Thunderstorms

Do not install or dismantle the product during a thunderstorm.

- Do not seek shelter under the sun sail in a thunderstorm.

General information: Potential hazard during use

In the event of impending storm and strong winds, sun sails must be removed in advance.

Sun sails are not suitable for snow loads and shall be removed before the winter. If the sun sail is used incorrectly, both product damage and personal injuries can arise.

- Attach no external loads to the sail.
- If waterproof fabric is used, please consider the water run-off.
- Do not use naked flames below or in direct vicinity of the sun sail.

5. Electric drives

The safety instructions and warnings described here are intended to safeguard your health and to protect the product. These instructions must be carefully read and followed.

Damage resulting from inappropriate use or the failure to follow these instructions is not covered by the warranty. Liability will not be accepted for any consequential damage.

General information: Preparations for installation

Improper installation may impair the safety, function and service life of the product. This may result in injury to persons and/or cause damage to the product and adjacent parts.

- Comply with the specified setting steps and the sequence.
- The setting procedure must always be performed in its entirety.

- Before installation, deactivate all lines and control systems that are not needed for installation. The lines must be kept away from the drive and/or movable parts.
- Before the motor setting is changed, the product must be checked for other functional problems.
- One person must be assigned to monitor the operating element.
- Watch the product while it is moving and keep people away until the movement has stopped.

Radio receiver: Preparatory measures

- The range of radio controls is restricted by legal regulations for radio systems and through structural factors. Adequate radio reception must be ensured when planning the project. If shielding is operated by radio remote control, the line of sight must be maintained.
- Strong local radio transmitters (e.g. baby monitor or neighbouring transmitters) with a transmission frequency identical to that of the control unit may interfere with the reception.

Drives (230 V or 12 and/or 24 V): Electrical connection

Improper connection of electrically operated products may lead to personal injury and impair the operating safety of the product.

- Adhere to the wiring diagram.
- In parallel connections, observe the maximum switch contact load of the switching device.

Drive 230 V: Electrical connection

- An on-site disconnecting and isolating switch must be provided to switch off the entire product.
- The lines shall be connected using the plug connectors supplied by Caravita.
- Do not connect other devices or power consumers directly to the lines of the drives.

Additional control sensors

- Do not use superordinate control sensors when Caravita parasols are used!

Important for replacement deliveries

Only genuine Caravita replacement products shall be used. The motor and/or the products may only be used as intended.