

# Safety Instructions

## for Perinet Products

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# 1 Safety Instructions

This section contains information that you must observe for your personal safety and to avoid damage of property. The instructions for your personal safety are highlighted by a warning triangle, while information on damage of property alone is given without a warning triangle. Depending on the hazard level, the warnings are shown in decreasing order as follows.




 DANGER	means that death or serious injury will occur if the appropriate precautions are not taken.
 WARNING	means that death or serious injury may occur if the appropriate precautions are not taken.
 CAUTION	with warning triangle, means that minor injury may occur if the appropriate precautions are not taken.
CAUTION	without warning triangle, means that property damage may occur if the appropriate precautions are not taken.
ATTENTION	means that an undesirable result or condition may occur if the corresponding precaution is not taken.
INFO	information on needed measures to guard against system failures.

Table 1: Safety instructions

If several hazard levels occur, the warning notice for the highest level is always used. If the warning triangle is used in a warning against personal injury, then a warning against property damage can also be added to the same warning.

## 1.1 Power Supply

### DANGER

**Connection of the 24 V device only via safety extra-low voltage/protective extra-low voltage**

The device is designed for operation with a directly connectable safety extra-low voltage (Safety Extra-Low Voltage, SELV) or Protective Extra-Low Voltage (PELV).

Failure to observe this warning may result in electric shock or damage to property.

Therefore, only safety extra-low voltages (SELV) according to IEC 60950-1 / EN 60950-1 / VDE 0805-1 or protective extra-low voltages (PELV) according to EN 50178 may be connected to the supply connections.

### ATTENTION

Connecting the 24 V device to a safety extra-low voltage (SELV) turns it into a protective extra-low voltage (PELV). The connection point between ground and PE is established by the device according to the IEC 61851 standard.

## 1.2 Protection

### CAUTION

**Property damage**

Property damage caused by electrostatic charging.

- Follow the measures necessary for the handling of components prone to electrostatic charging.

### WARNING

**Unwanted heat generation or fire due to insufficient fuse protection**

The internal fuses of the device are designed for device protection only. The system installer or operator is responsible for the necessary line protection.

## 1.3 Repair

Repairs are not permitted. Defective devices must be disposed of in accordance with environmental requirements.

### **WARNING**

#### **Dangers due to unauthorized opening of the device**

Unauthorized opening of the device can cause considerable damage to property or danger to the user.

### **CAUTION**

#### **Voiding of the manufacturer's warranty due to unauthorized modifications to the device**

Modifications to the equipment are not permitted. Failure to comply will invalidate the manufacturer's warranty expires.

*Only put undamaged components in operation.*

### **INFO**

Perinet expressly notes that devices to which this document pertains are unsuitable for use as part of or in connection with medical implants or as important components of life support systems, where failure could lead to severe injuries to people. The components used and the proven level of reliability don't meet the necessary requirements for such applications. In order to avoid damage to devices and equipment as well as injuries to or death of people, the user or application developer must implement suitable, well thought out measures to guard against system failures.

The rights of third parties may be violated through use in the transport market of devices which are described in this document. Perinet can provide no warranty whatsoever that the rights of third parties aren't violated through use of the devices. If you are planning on this sort of use, please contact Perinet in order to clarify any potential questions regarding patent or property rights.

## 1.4 Qualification of the Personnel

The devices may only be mounted, installed, commissioned and maintained by persons who are familiar with the handling of such devices and who are qualified for the described activities.

This qualification includes:

- Training regarding the installation, connection, earthing, commissioning and maintenance of electrical devices (EN 50 110-1/-2 / VDE 0105 part 100).
- Training regarding the current standards of electrical engineering and safety technology.
- First aid training.

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## 2 Contact & Support

For customer support, please call us at **+49 30 863 206 701** or send an e-mail to *support@perinet.io*.

For complete contact information visit us at [www.perinet.io](http://www.perinet.io)

## Revision History

Revision	Date	Author(s)	Description
1.0	September 10, 2021	Mihaela Sendrea	Initial release - English