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# Installation Instructions

## Alibi-Memory Module

### KERN YMM-04

Type TYMM-04-A

Version 1.0

2023-10

GB



The current version of these instructions can also be found online under:  
<https://www.kern-sohn.com/shop/de/DOWNLOADS/>  
under the rubric Instruction manuals

**TYMM-04-A-IA-e-2310**



**Alibi-Memory Module**  
Version 1.0 2023-10  
**Installation Instructions**

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## 1 Scope of delivery

- Alibi-Memory Module YMM-04

## 2 General and safety information

### **⚠ DANGER**



**The electrical shock caused by touching live components**

**An electrical shock results in serious injury or death.**

- ⇒ Before opening the device, disconnect it from the power source.
- ⇒ Only perform installation work on devices that are disconnected from the power source.

### **NOTICE**



**Electrostatically endangered structural components**

Electrostatic Discharge (ESD) can cause damage to electronic components. A damaged component may not always malfunction immediately but may take some time to do so.

Make sure to take precautions for ESD protection before removing hazardous components from their packaging and working in the electronic area:

- ⇒ Ground yourself before touching electronic components (ESD clothing, wristband, shoes, etc.).
- ⇒ Only work on electronic components at suitable ESD workplaces (EPA) with suitable ESD tools (antistatic mat, conductive screwdrivers, etc.).
- ⇒ When transporting electronic components outside the EPA, only use suitable ESD packaging.
- ⇒ Do not remove electronic components from their packaging when they are outside the EPA.

### 3 Installation

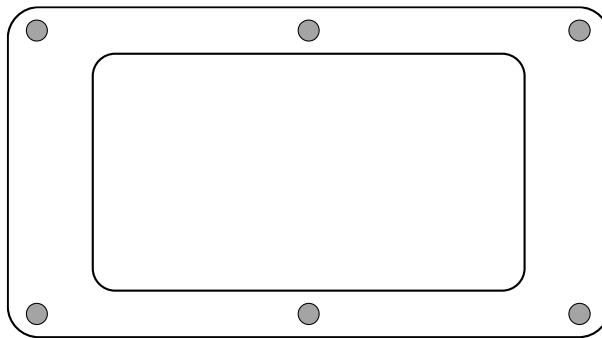
#### INFORMATION



- It is important to follow the instructions in this manual before starting work.
- The illustrations shown are examples and may differ from the actual product (e.g. positions of the components).

#### 3.1 Opening the terminal

1. Disconnect the device from the power source.
2. Loosen the screws on the back of the terminal.



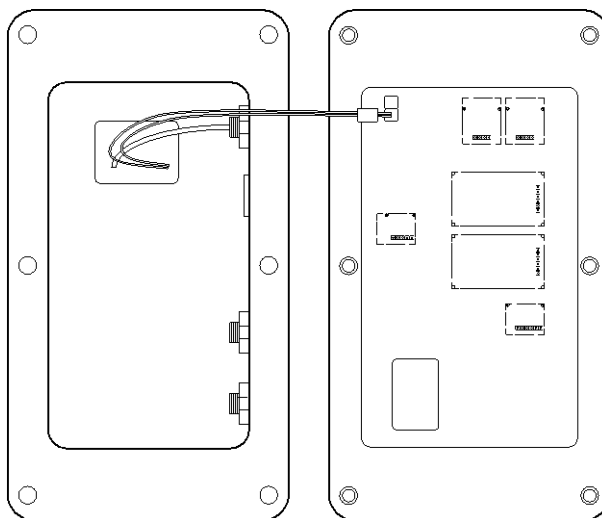
3.

#### NOTICE



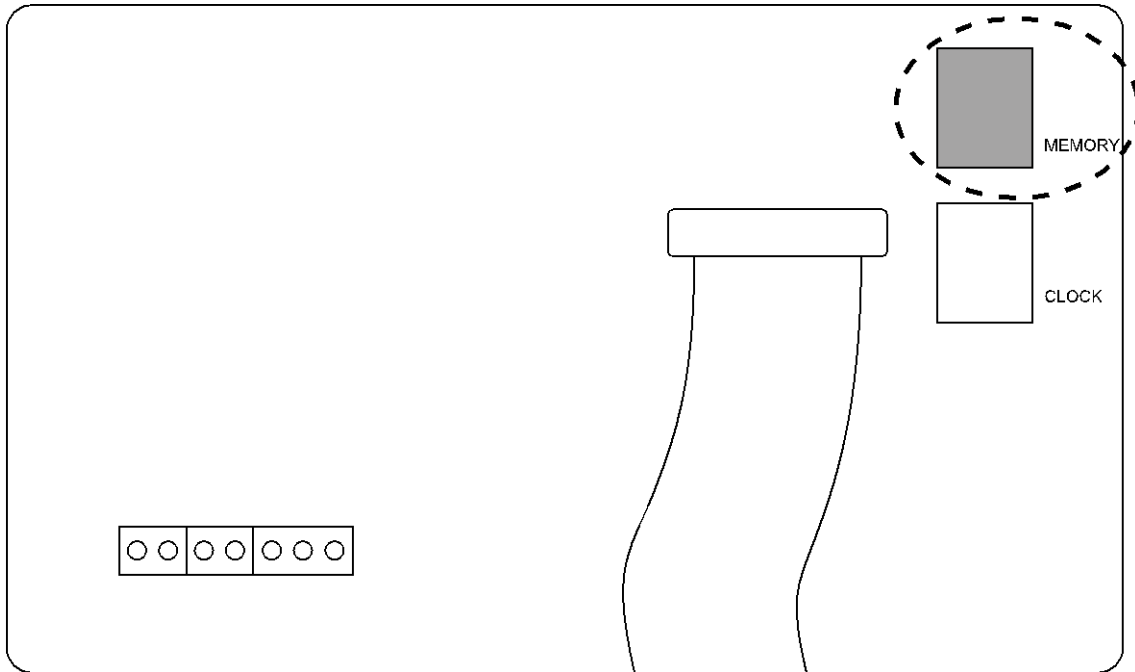
- ⇒ Make sure that you do not damage any cables (e.g. by tearing them off or pinching them).

Carefully open both halves of the terminal.



### 3.2 Installing the Memory Module

1. Open the terminal (see chapter 3.1).
2. Remove the memory module from the packaging.
3. Plug the module into the **MEMORY** slot.



4. The module has been installed.

### 3.3 Closing the terminal

1. Check the memory module for a tight fit.

2.



#### NOTICE

- ⇒ Make sure that you do not damage any cables (e.g. by tearing them off or pinching them).
- ⇒ Make sure that any existing seals are in their intended place.

Carefully close both halves of the terminal.

3. Close the terminal by screwing it together.

## 4 General information on the Alibi memory option



- For the transmission of weighing data provided by a verified scale via an interface, KERN offers the alibi memory option YMM-04
- This is a factory option, which is installed and preconfigured by KERN, when a product containing this optional feature is purchased.
- The Alibi memory offers the possibility to store up to 250.000 weighing results, when the memory is exhausted, already used IDs are overwritten (starting with the first ID).
- By pressing the Print key or by KCP remote control command "S" or "MEMPRT" the storage process can be performed.
- The weight value (N, G, T), date and time and a unique alibi ID are stored.
- When using a print option, the unique alibi ID is also printed for identification purposes as well.
- The stored data can be retrieved via the KCP command "MEMQID". This can be used to query a specific single ID or a series of IDs.
- Example:
  - MEMQID 15 → The data record which is stored under ID 15 is returned.
  - MEMQID 15 20 → All data sets, which are stored from ID 15 to ID 20, are returned.

## 5 Protection of stored legally relevant data and data loss prevention measures



- Protection of stored legally relevant data:
  - After a record is stored, it will be read back immediately and be verified byte by byte. If error is found that record will be marked as an invalid record. If no error, then the record can be printed if needed.
  - There is checksum protection stored in every record.
  - All information on a printout is read from the memory with checksum verification, instead of direct from buffer.
- Data loss prevention measures:
  - The memory is write-disabled upon power-up.
  - A write enable procedure is performed before writing a record to the memory.
  - After a record is stored, a write disable procedure will be performed immediately (before verification).
  - The memory has a data retention period longer than 20 years.

## 6 Trouble shooting

### INFORMATION



To open a device or to access the service menu, the seal and thus the calibration must be broken. Please note that this will result in recalibration, otherwise the product may no longer be used in the legal-for-trade area.

In case of doubt, please contact your service partner or your local calibration authority first.

#### Memory-Module:

Error	Possible cause / trouble shooting
No values with unique ID are stored or printed	Initialize memory in service menu (following the scales service manual)
The unique ID does not increment, and no values are stored or printed	Initialize memory in menu (following the scales service manual)
Despite initialization no unique ID is stored	Memory module is defective, contact service partner