


<b>T-1796 e</b>	<b>Module Documentation</b> <b>Battery Unit MCU42-BTU-A</b>	 TORMAX   CH-8180 Bülach www.tormax.com info@tormax.com
Area of application	<b>TORMAX 1102, 1201</b> Swing Door Drive	
Release	3 September 2015	
Use	Planning, installation, maintenance	

## Purpose

The battery unit is intended exclusively for installation in the door automation system TORMAX 1102/ 1201 Swing Door Drive. The module is used for time-limited ongoing operation of the system and/or for accomplishment of a final motion into a determined position. A further use is the time-limited admission into the building via the key switch during a power failure.

## Functional Principle

The battery unit includes the batteries MCU32-ACCU-24-1-A and the battery module MCU32-BATT-24-1-A (1).

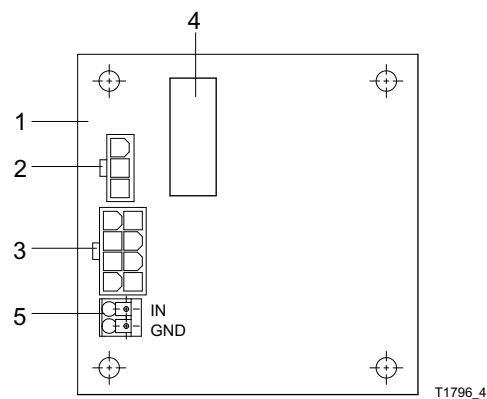
The batteries store the energy required to continue system operation on power failure. The battery module contains a charging circuit that charges the batteries in the presence of mains power and/or holds them in the charged state. In order to avoid total discharge, the battery can be switched off with a switch.

The operational function depends on the programming of the basic control system. Functions see TORMAX Extranet programming table MCU.

The wake-up function allows renewed switching on with subsequent door opening after the battery has been disconnected. The function depends on the current charge of the accumulators and necessitates a connected key switch .

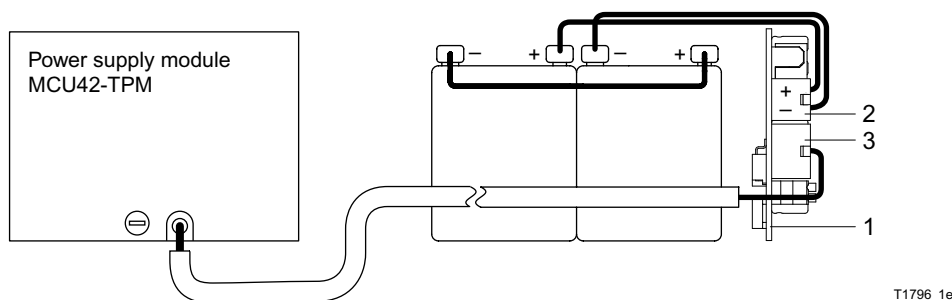
Notes to key switch function:

- The key switch must be active for at least 5 s for Wake-up incl. door opening. If the impulse is shorter only the battery will be switched on. Another impulse must follow in order to open the door.
- The wake-up function cannot be activated during 6 s after shutoff of the battery.
- The key switch on terminal SS also opens the door in normal operation if mains is available.



- 1 Battery module MCU32-BATT-24-1-A
- 2 Socket BAT
- 3 Socket A
- 4 Fuse T 5 A
- 5 Terminal SS  
(Wake-up and key switch function)

## Connection Diagram



## Installation

The battery unit can be installed on the left or right hand side of the operator.

- Mount intermediate profile (7) on the operator (8).
- Screw tight the battery unit (6) on the intermediate profile.
- Mount side cover (9).

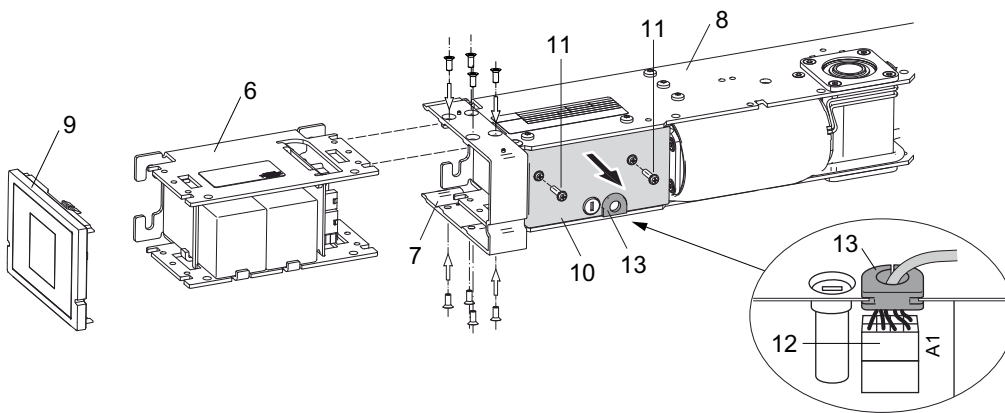


- Disconnect from mains supply!

- Unscrew cover of power supply module (10) with 2 screws (11) and pull out the module.
- Connect the battery unit with the power supply module (socket A1) with the supplied cable. Cut open the grommet (13) and put it in the cable.
- Insert and tighten the cover (10).



When connecting the batteries make sure that the polarities are not interchanged and the contacts are not short circuited! A sudden discharge may cause an explosion of the batteries! The constituents are highly poisonous!



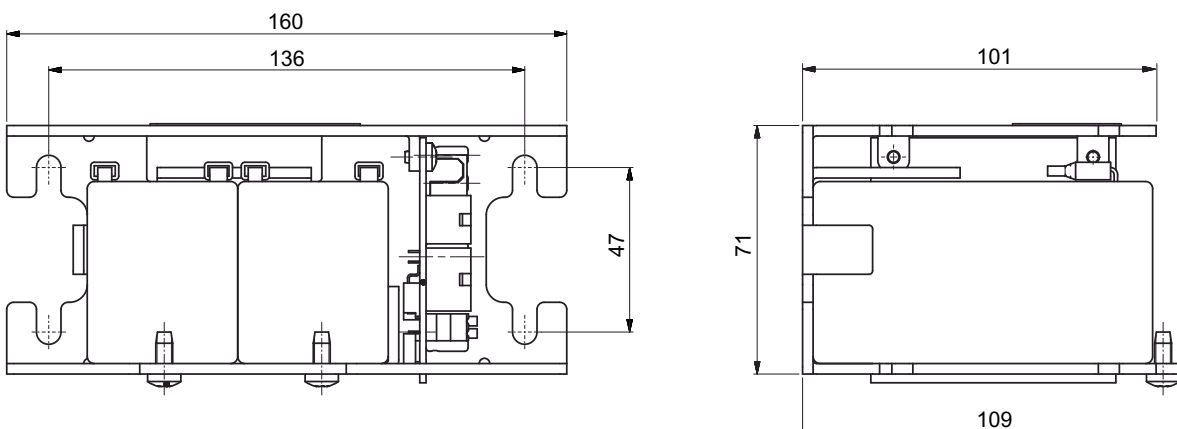
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## Commissioning

The battery module needs not to be detected

See programming table TORMAX 1201 or 1102 for functions in case of mains failure.

## Component Dimensions



## Technical Data

Rated voltage	24 V DC
Maximum power	120 W
Batteries	2 × 12 V / 1,2 Ah (52 × 97 × 43 mm)
Ambient temperature	0 ... +40 °C
Interfaces	Power supply module MCU42-TPM Power supply module MCU32-PSUP-40-18-B