

# Operating instructions

Battery controller type 824.1.12.008 and type 824.1.24.008 (Fa. Conrad)  
12V-version 24V-version

**BAUSER**<sup>®</sup>

Please note:

- Read this operating instructions carefully. In the event of questions, please contact your dealer or BAUSER directly.
- Ensure that the installation and operating conditions described below are observed, since otherwise you may lose your warranty rights.

## Function:

This battery controller is used for indication of the battery state of charge in 3 steps by means of 3 LEDs (green, yellow, red). After reaching the first threshold 'green/yellow' the yellow LED lights up. When reaching the second threshold 'yellow/red' the red LED lights up and the relay contact opens. If the battery voltage rises again the relay contact remains opened. In order to reset the battery controller the unit has to be switched off and on again.

An integrated time delay avoids unwanted relay operation in case of high load during a short period of time.

## Standard-Thresholds:

	824.1.12.008	824.1.24.008
Threshold green/yellow	12,0V	22,5V
Threshold yellow/red	11,0V	21,0V

(voltage tolerance  $\pm 0,1V$ )

## Mounting:

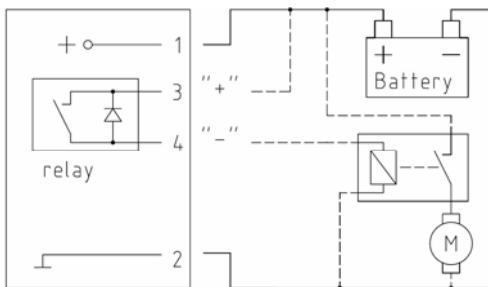
Mounting of the unit is done by means of the enclosed bracket.

## Electrical connection:

Plugs AMP 6.3x0.8mm

Pin	1	2	3	4
Function	Battery+	Battery-	Relay+	Relay-

Wiring diagram:



When connecting the relay contacts ensure correct polarity!

Non-compliance may lead to excessive discharge of the battery or damage of the unit.

## Technical data:

Battery type:	lead-acid
Indication:	3 LEDs (green, yellow, red)
Supply voltages:	12VDC 24VDC (acc. to version)
Supply current:	max. 45mA, max. 30mA
EMC-immunity:	EN 50082-2
Relay contact:	1 make contact, 12V/2A, 24V/2A
Ambience:	-25°C ... +70°C
Vibration:	EN60068-2-34 (1g eff., 10-500Hz, 2,5h)
Shock:	EN60068-2-27 (30g, 18ms, 3 shocks), Continuous shocks EN60068-2-29 (25g, 6ms, 1000 shocks)
Protection class (frontal):	IP 65

- turn over -