

Operating instructions

Battery controller Type 826, 827, 828

Please note!

Read this operating instructions carefully. In the event of questions, please contact your dealer or BAUSER directly. Pay attention to the battery manufacturer's information and ensure that the installation and operating conditions described below are observed, since otherwise you may lose your warranty rights. Note in particular the information on the valid protection conditions in the section „Electrical connection“ or the protection regulations applicable in your country.

| Type | Function |
|---------------------|--|
| 826, 827, 828 | battery controller with relay output |
| 826.6, 827.6, 828.6 | battery controller without relay output |
| 826.7, 827.7, 828.7 | battery controller with signal output (5V/30K Ω) |

Functions

The BAUSER battery controller of type series 826, 827, 828 monitor the residual capacity at discharge of „traction-batteries“. An additional relay contact protects the battery against exhaustive discharge.

The factory set standard discharge voltage is **1,73 V/cell** (other discharge voltages possible).

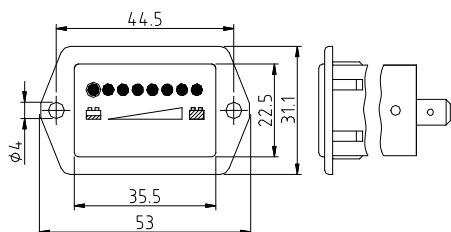
The residual capacity of the battery is monitored via a multi LED bar display (1 red LED, 7 yellow LEDs). If the residual capacity falls under the limiting value „pre-warning“ (approx. 25 %), the yellow LED starts flashing. When reaching the discharge voltage, the red LED (very left LED) lights and the relay contact (pins 3+4) opens. In order to complete e.g. a lifting operation, the relay contact can be closed one more time for approx. 30s by switching the unit off and on again.

There are 2 possibilities to reset the controller:

- battery is separated from the vehicle: reset voltage is **2,09V/cell** (reset voltage has to be exceeded for approx. 4 sec.)
- battery remains in the vehicle while charging: reset voltage is **2,35V/cell**

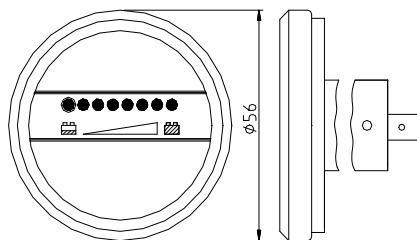
Enclosures

Type 826



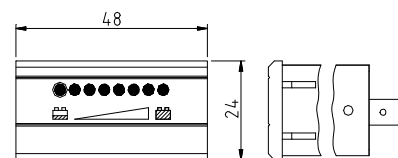
Panel cutout 36.8x24.1, 2 drillholes \varnothing 3.8

Type 827



Panel cutout \varnothing 52

Type 828



Panel cutout 45x22

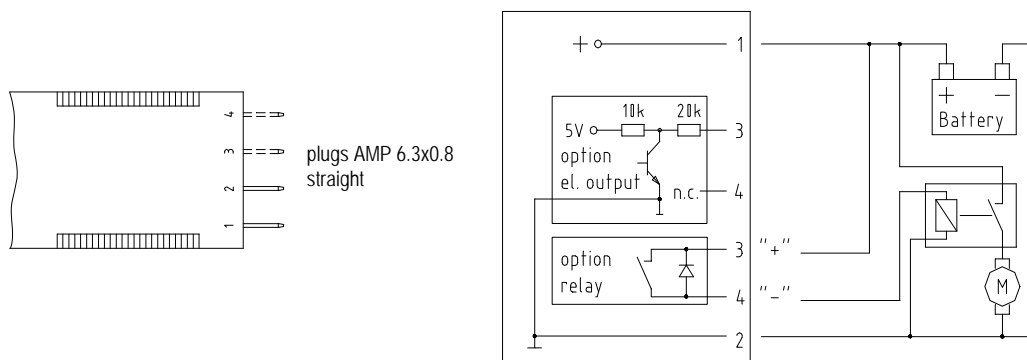
Mounting

The battery controller is applicable for flush mounting in a boarding dash. The controllers 827 and 828 are delivered with a retaining clip. The 826 controller is mounted by means of two screws.

Electrical connection

The instrument must be installed by an authorised specialist. The relevant conditions must be observed, in particular the operating voltage of the controller must agree with the rated voltage of the battery (see rating plate).

Check the correct polarity of the relay contacts !



Technical Data:

| | | | | |
|--|--|----|----|----|
| Operating voltage (V) tolerance \pm 25%: | 12 | 24 | 36 | 48 |
| Current consumption max. (mA): | 50 | 30 | 30 | 30 |
| EMC: | Emission EN 55011 | | | |
| | Immunity EN 50082-2 | | | |
| | (in case of excess-voltages that are above the approved EMC/EMI protection, we recommend a shielding from custom's side) | | | |
| Vibration: | EN 60068-2-34 (1g eff., 10-500Hz, 2,5h) | | | |
| Shock: | EN 60068-2-27 (30g, 18ms, 3 shocks), Continuous shocks EN 60068-2-29 (25g, 6ms, 1000 shocks) | | | |
| Relay contact: | opens when reaching discharge volt., voltage free, breaking capacity 12VDC/2A, 24VDC/2A, 36VDC/1,5A, 48VDC/1A | | | |
| Display: | multi LED bar display (8 LEDs) | | | |
| Ambience: | -30°C to +70°C, max. 95% humidity | | | |
| Protection class: | IP65 frontal | | | |