

# BMon U1224 Battery Monitoring System

# BazzTec

## Installation instructions

- ⚠ **Caution – incorrect connection of the BMon clips to the battery will incinerate the device!**
  - ⚠ **The length of the connection cables is critical for proper operation – do not shorten or lengthen them.**
  - ⚠ **Connect the cables directly only to the battery terminals .**
  - ⚠ **If setup has been conducted for the parameters of the existing facility, it is unnecessary to repeat it.**
1. Place the device close to the batteries using a number of bolts. Ensure that the connection cables (red and black) can reach the battery terminals.
  2. Verify the positive and negative polarity of the battery terminals using a measuring instrument.
  3. Ensure that the terminals are clean.
  4. Release the negative (-) terminal nut of the battery.
  5. Connect the device's black cable (-) and firmly attach the nut of the battery.
  6. In the same manner, connect the red cable to the positive terminal of the battery and firmly attach the nut.
  7. The **BMon** device will perform an initial test for two minutes. During the test the green indicator will remain lit and the three red indicators will flash.
  - \* This is the time allocated also for conducting setup, as specified in the calibration instructions. If the instrument is already programmed for the definitions of the machine, wait until the conclusion of the test. If the green indicator extinguishes after the connection, calibrate the machine according to calibration instructions.
  8. If everything is in order, at the end of the test only the green indicator will remain lit.
  9. Later the green indicator will flash every few seconds.
  10. It is recommended to perform an ignition of the machine for initial calibration of the starter consumption.



## Connections

### Connections of the BMon device to the external warning system (dry contact outlets):

Intended for connecting to a control room, operation of an external warning signal and so on.

Connect the communications cables to the green removable connector according to the table below.

At the conclusion connect the removable connector to its location on the side of the instrument.

Two manners of connection can be selected for each of the three warnings and/or connection to a general warning:

**Option 1** – An electrical circuit remains closed when all is well, the circuit opens when there is an error.

**Option 2** – An electrical circuit remains open when all is well, the circuit closes when there is an error.

Error	Option 1 – Circuit opens when there is an error	Option 1 – Circuit opens when there is an error
Check Charger	1 + 3	1 + 2
Low Battery	4 + 6	4 + 5
Check Battery	7 + 9	7 + 9
General error Any of the above errors	10 + 12	10 + 11

1	2	3	4	5	6	7	8	9	10	11	12



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