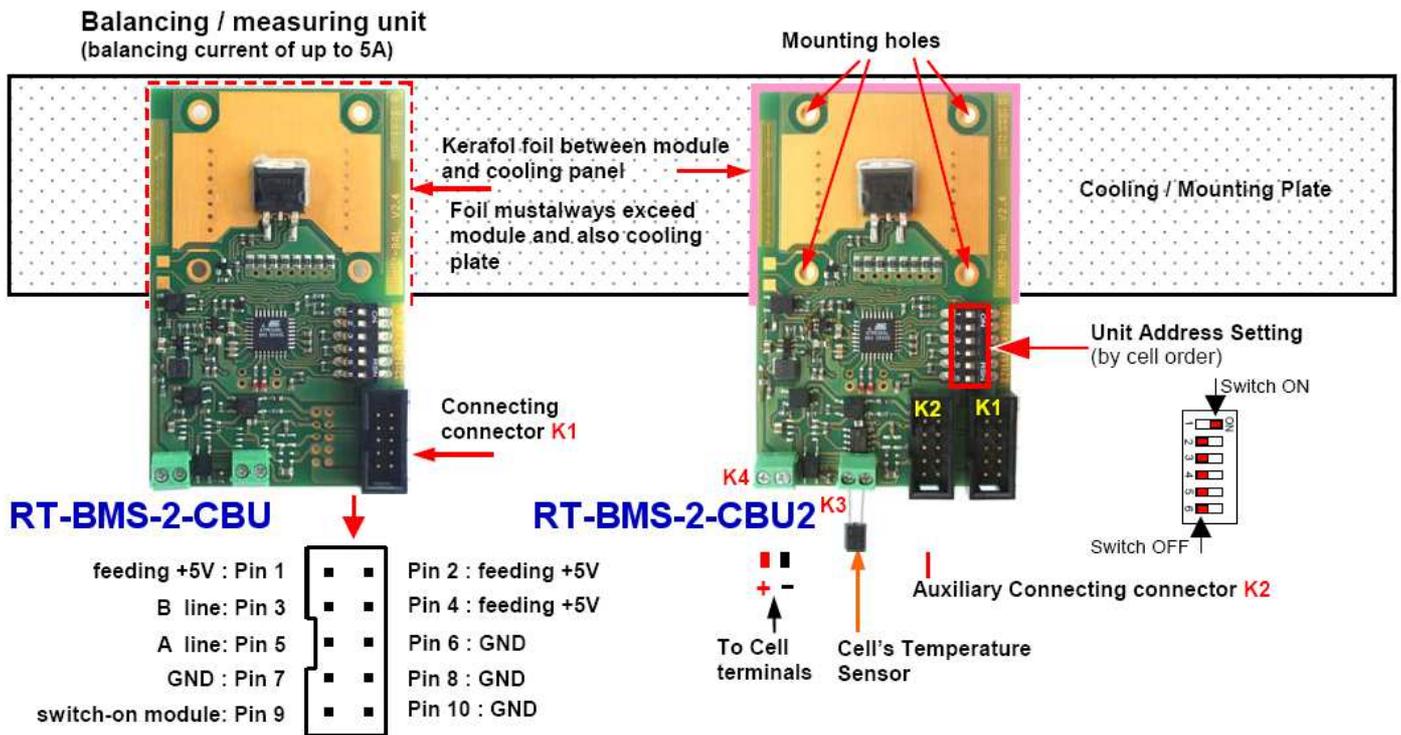


RT-BMS Component Information



The detailed installation of the CBU units

The Cell Balancing Unit is connected to each individual cell in the battery pack.



RT-BMS-2-CBU has one data line connector (K1), RT-BMS-2-CBU2 has two data line connectors (K1 and K2). Two connectors allow to connect and disconnect the data line.

The data line cable when connecting with CBU (single connector) modules:



The data line cable when connecting with CBU2 (two connectors) modules:



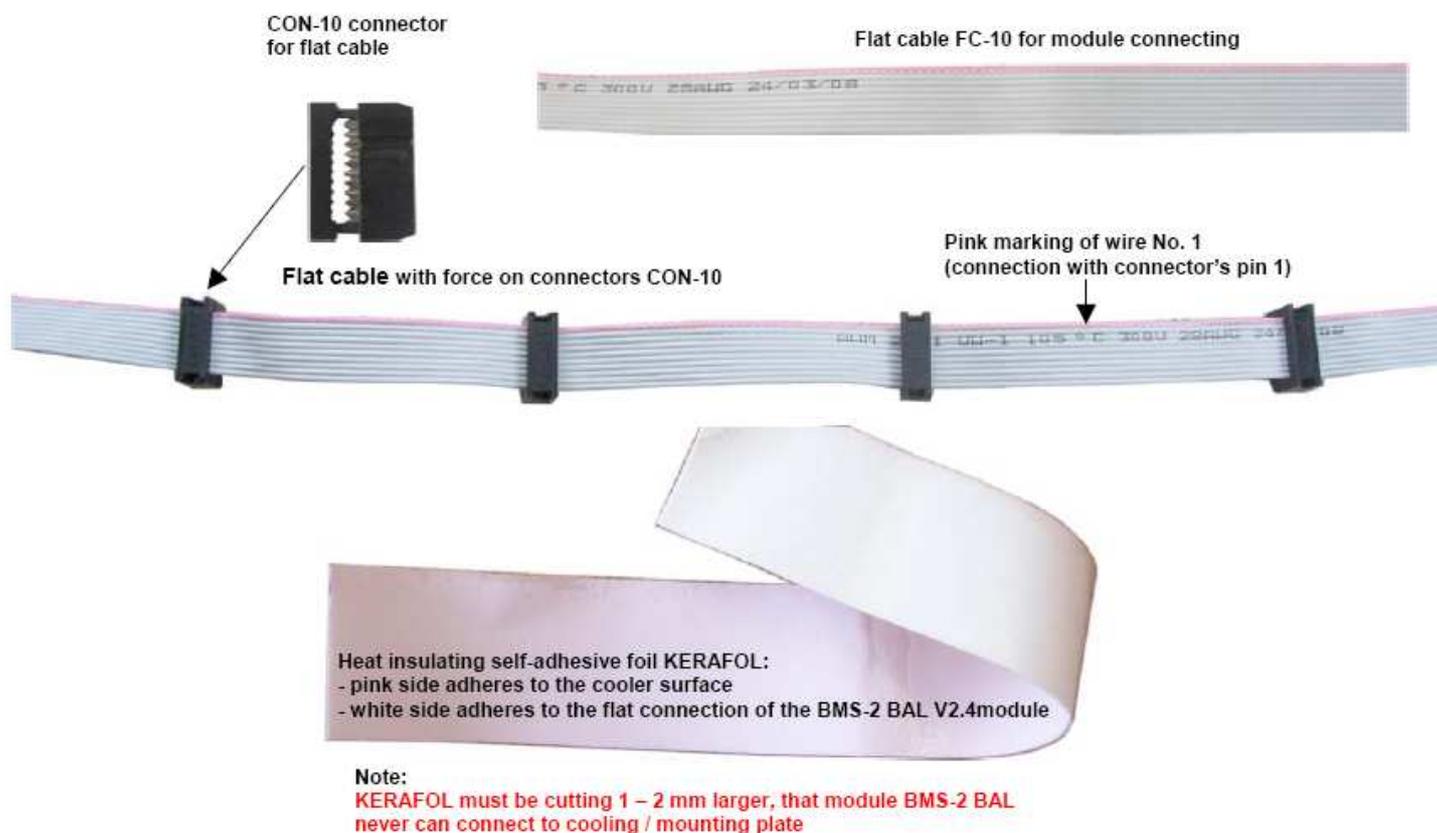
The complete photo of the CBU unit



The battery connectors and the battery temperature sensor are provided with each CBU unit.

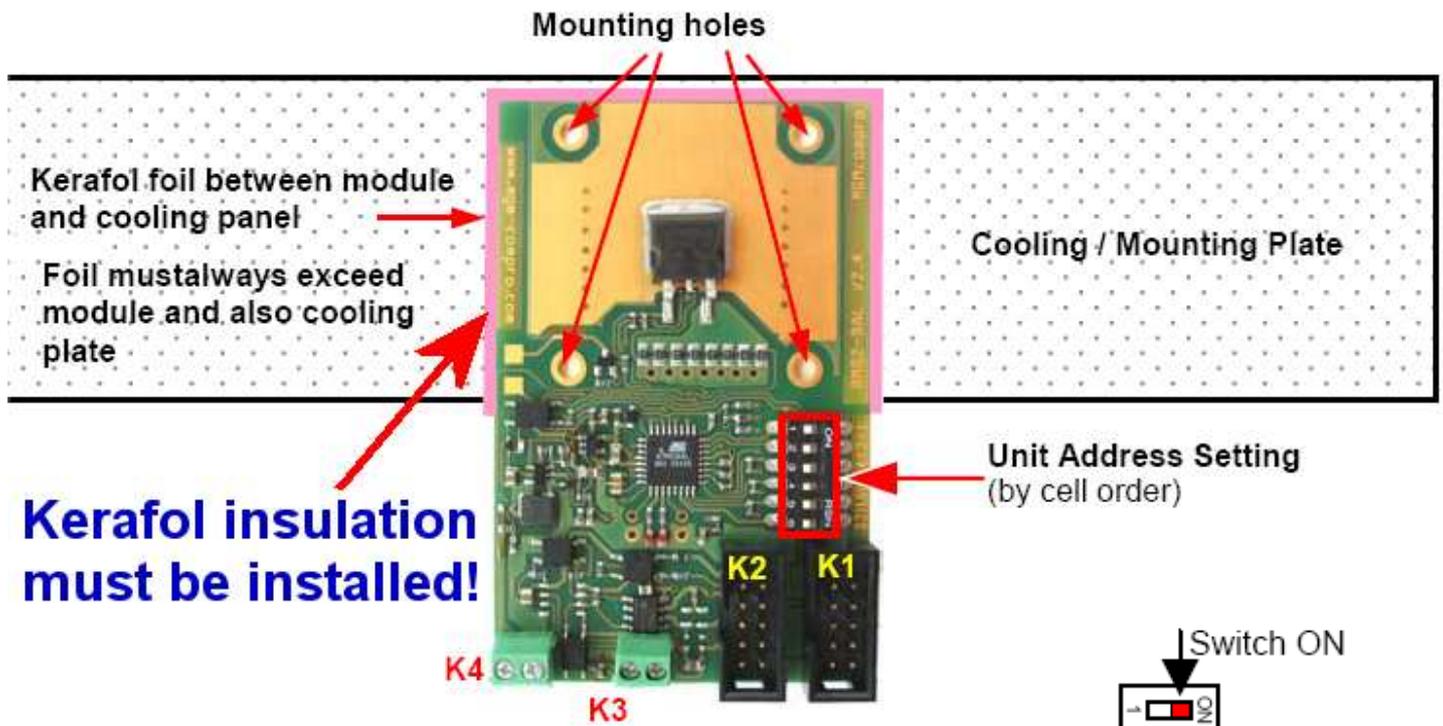
PLEASE NOTE: CBU2 modules (with 2 connectors) are marked with “ACC” sticker on the module.

Additional accessories supplied with each BMS



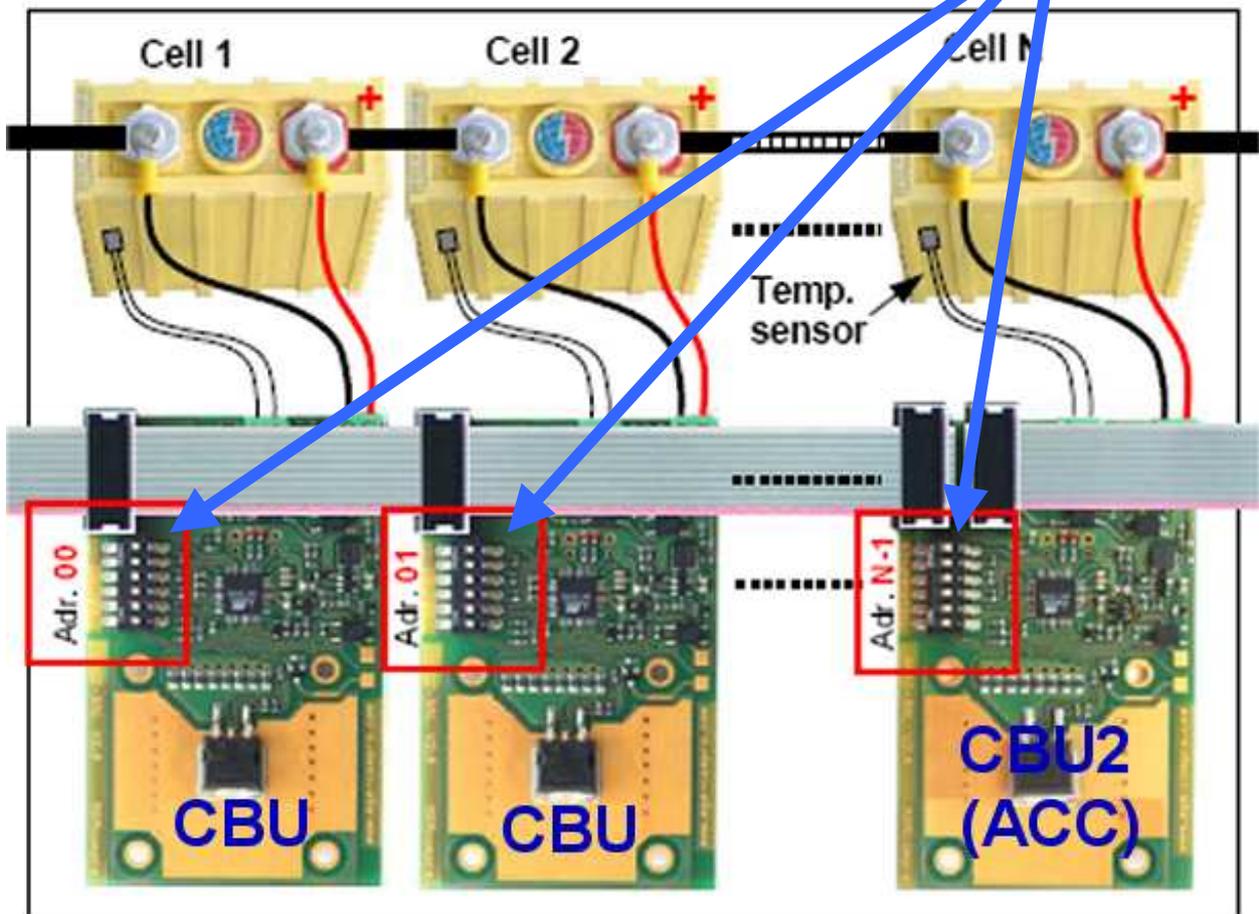
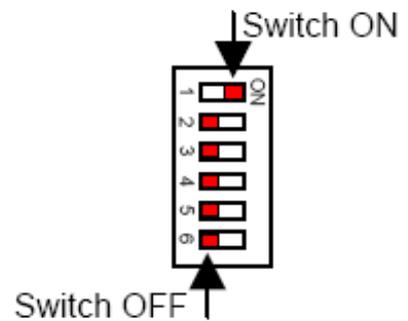
Heat conductive, electrically insulated self-adhesive foil KERAFOL must be installed under each CBU unit, between the CBU unit and the cooler surface.

The mounting of the insulation for each module

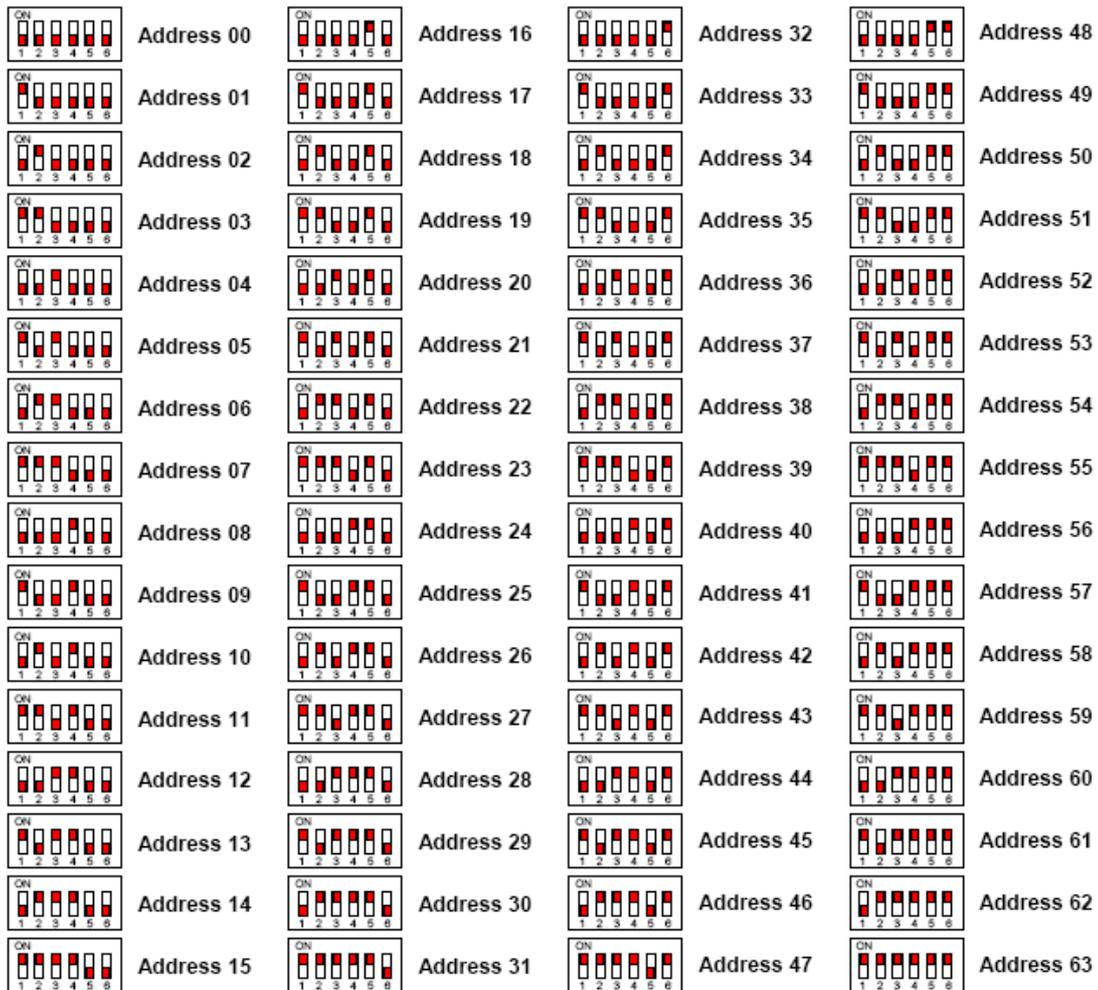


The CBU module addressing

Each module has a DIP switch to set the address of the module. The address is a binary number.



Module addressing:



The CBU Terminal module – CBUX (ZR)

The 64 cell BMS Main unit has one (1) dataline for up to 64 cells. The last module, at the end of the dataline, must be the Terminal module – CBUX – also marked “ZR”. The terminal module closes the dataline connection. In all other functions, the CBUX is the same as any CBU module.

The 128 cell BMS Main unit has two (2) datalines for up to 64 cells. One dataline for cells 1 to 64, the other dataline for cell 65 to 128. The terminal modules are needed at the end of each dataline.

<http://www.yttrium-power.com/>

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The complete overview of the installation of the CBU, CBU2 and the terminal module – CBUX (ZR)

System connection, part A:

