



Front  
CU-DIFF-BAT.K4



Rear side:  
Connector A  
Connector B

## Terminal

2x plug-screw terminal  
A: 2,5qmm, B: 1,5qmm  
Display 2x 8 character  
Battery voltage 0-30V  
Difference between battery 1-2

4x output state contacts  
• = contact open  
— = contact closed  
3x button  
+ - switching point, mode / set

connectors on the rear:  
A1: 24V power supply  
A2: " "  
A4: Com. contact output 1-4  
A5-8: output 1-4, contact  
B1: + 0-30V battery voltage (+24V)  
B2: - minus battery  
B3: + battery1, centre voltage (+12V)  
B4: - minus battery  
B9: + output 5, 0-10V  
B10: - output 5, "

B2, B4, B6 and B10 are internal connected together.

## Technical Data

Output 1-4, pin A4-8	relays contacts
N.O. or N.C. set to switching points	
voltage contact	max. 250V AC
current contact	max. 5A
Output 5, pin B7-8	0-10V DC, max. 20mA
	proportional to battery voltage
Input 1, pin B1	+24V battery voltage (0-30V)
Input 2, pin B3	+12V centre voltage (0-30V)
Input resistance	250 kOhm
Resolution	max. 16 bit
Display	LCD, 2x 8 character
	if needed, order with ambient light, LED green
Button	3x membrane keyboard
Power supply 24V, A1-2	24V AC/DC (18-36V AC/DC)
Operating temperature	-10 - +50°C
Storage temperature	-30 - +80°C
Construction	panel front built-in device
Weight	160g
Dimensions	72 x 72 x 110 mm (WxHxD)
Panel cut-out	68 x 68 mm (+1mm)

Battery controller, 2x output contact battery: voltage limit, 2x output contact battery1-2: difference voltage, output 5: 0-10V battery voltage. The display shows the battery voltage, the difference voltage between the two batteries and the four output states of the output contacts. The ON and OFF switching points of the four outputs can selected with the pushbutton + -, controlled and set with the button M. The output 5, analogue 0-10V, is proportional to the battery voltage. For SPS input in industrial and buildings system automations.

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BAT\_K4

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### **BATTERY CONTROLLER CU-DIFF-BAT.K4**

Input 1-2	2x 0-30V DC, display: U-battery, difference battery 1-2
Output 1-4	4x contact, 2x voltage limit battery, 2x difference limit
Output 5	0-10V DC proportional to the battery voltage
Power supply	24V AC/DC
Interface	RS232 and RS485 optional to order