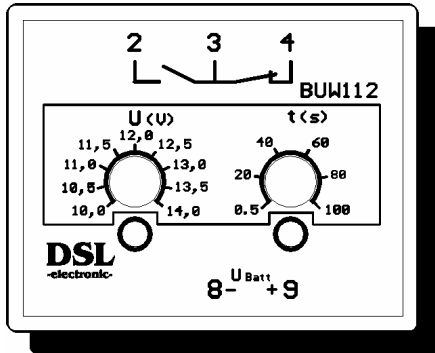
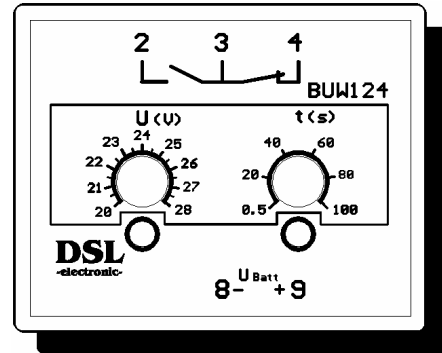


Battery Undervoltage Controller

BUW112



BUW124



Function

The Battery Undervoltage Controller BUW is a releasing time-delay relay which draws its operating voltage from the measuring voltage. If the battery voltage gets the right range voltage above the setting voltage, the output relay will be switch on (contact 2 – 3 close) and both light diodes are burning. If the voltage drops below the setting voltage, first the left LED goes off and after delay of setting time the relay switches off, the right LED goes off and the output contact switch into off-position (contact 2 – 3 open). After a completely drop of measuring voltage the relay is switched off without time delay. After voltage return and reaching the setting voltage value the relay will be switch on without delay and the LED's are both burning to monitor the right voltage of battery.

Application

The unit is mainly used in emergency power supplies for monitoring the voltage of starter batteries and control batteries.

Functional Circuits

- Functional circuit for undervoltage (left poti), setting range BUW112: 10 - 14 V BUW124: 20 - 28V
- Functional circuit for delay (right poti), setting range 0.5 - 100 seconds
- Output terminals: One change over contact

Technical Data

Type	Battery Undervoltage Controller BUW112, BUW124
Construction	Plastic housing on 35 mm hat rail as per DIN EN 50022
Material of Housing	Bayblend FR 1439/0240 modified ABS with burning protection UL 94 VO
Dimension, weight	55x68x110mm (WxHxD), appr. 0,2 kg
Input voltage	0 - 35VDC
Adjustment range	BUW112: 10 - 14VDC, BUW124: 20 - 28VDC
Output duration	0,5 - 100 sec.
Repeat accuracy	1%
Power consumption	Appr. 80mA
On period	100 %
Terminal load	5A/250VAC, 5A/30VDC, 0,015 Ohm contact resistance., 10 ⁵ life time
Voltage protection	3000V (coil-contact), 1000V (open contact)
Connecting terminals	For wire connection up to 2,5 mm ² , potentialfree input terminal
Type of protection	Housing IP 40, terminals IP 20 (or. VDE 0106T100/VBG4)
Operating temp. range	-10 °C bis +55°C, 95% Hum
General regulations	EN 50 178 (electrical units in power installation)
Noise suppression	EN 55 022/B
EMV	EN 61000 und EN V 50 140
Installation position	beliebig
Maintenance	Maintenancefree