

GLOW 4B

Glowdriver without additional battery

On board glow plug heating device with regulated current for 2- and 4-stroke engines

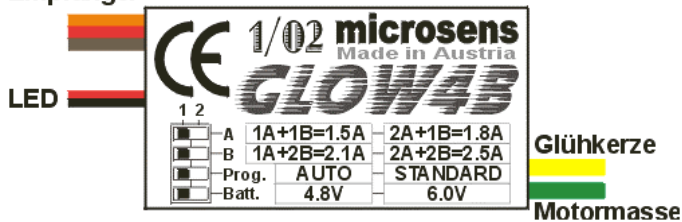
General :

The glow current can be adjusted to the glow plug and is regulated with high precision and very high efficiency by a microcontroller. This ensures an optimum ignition temperature, low energy consumption and lowest weight, as well as steady idle and good transition from idle to full throttle.

In 2-engined models and boxer engines glow plugs can be connected in series.

Connections :

Empfänger



Prog. With this switch you can choose between automatic programming and standard programming mode.
1 = Automatic, 2 = Standard

Batt. Here you select the type of your battery:
1 = 4 cells, 2 = 5 cells

Where a programmable transmitter is used, the glow plug heating can be assigned to a separate channel and mixed with the accelerator servo (mixer to 100%). In this case the Y-cable is not necessary.

Automatic programming mode:

Set the throttle lever to the idle position. Turn on transmitter and receiver. The bright red LED flashes on.

Move the lever to full throttle position. The bright red LED flashes once again. Finished!

With this automatic setting the glow plug begins to glow at half throttle and reaches the allowed current at fourth of full throttle.

The bright red LED acts as a function monitoring lamp and an adjustment aid for automatic programming.

The glow plug shall be already connected.

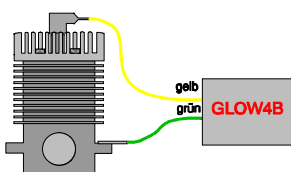
In case you want to change the begin of glowing point to a lower value, then you put the throttle lever first to idle position and then instead of full throttle to only ¼ of full throttle for example. LED will flash again. Finished!

Standard mode:

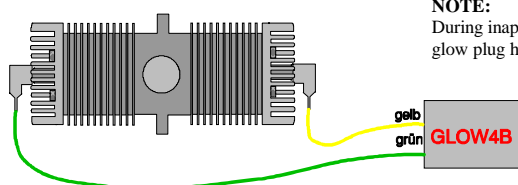
The automatic setting must be done each time after power on.

In case you don't like that you switch to the standard mode. You can adjust the glowing point if you have a programmable transmitter and use an extra channel for the glow driver.

2-cyl. engine



Boxer



Ing. Peter Klementschtz

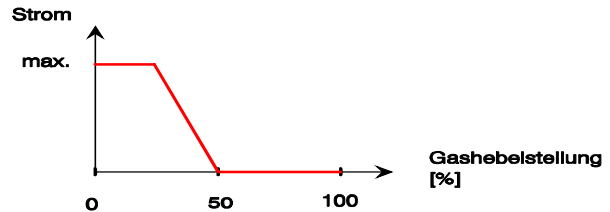
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Setting of max. glow current :

(by means of DIP-switch A, B on = 1, off = 2 (written on cover))

A	B	max. [Amp]	Plug type	Supply current [mA]	
				4 Cells	5 Cells
on	on	1.50	1-2 (hot)	250	200
off	on	1.80	2-3 (F-Plug)	340	272
on	off	2.10	3-4	470	376
off	off	2.50	4-5 (cold)	670	536

The supply currents in this list are typical for 1 glow plug, a charged battery and use of MICROSENS LOW-Ohm glow plug cable.

Please use the MICROSENS LOW-Ohm glow plug cable (ZUBI3) for best efficiency !

It is not allowed to make the servo cable longer or change to another type of connector !

The electronic device has to be protected of high temperatures and humidity.

Built in battery warning using red LED :

4 cells : 4.7V flashing during glowing, 4.6V always flashing, 4.5V and lower always flashing and glow current is switched off.

5 cells : 5.9V flashing during glowing, 5.8V always flashing, 5.6V and lower always flashing and glow current is switched off.

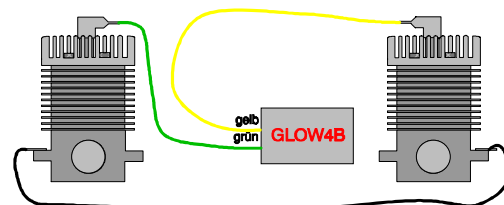
Techn. data :

Dimensions (L x B x H)	: 50 x 28 x 8 mm
Weight with connectors	: 22 g
Supply receiver battery	: 4 oder 5 Zellen NiCd, NiMH
Supply current, inactive	: 10 mA
Accuracy glow current	: +/- 0.1 A
Suitable models	: 1- 2 engined and 2-cyl. engines
Recommended receiver batt.	: more than 1500 mAh
Recommended glow plug cable	: MICROSENS Low-Ohm (ZUBI3)

Other products of microsens electronics® :

GLOW2, GLOW3 GLOW4, GLOW4B, GLOW5, GLOW7, GLOW9, SOLID0, SOLID1, SOLID2, SOLID3, AKKU1-7, ZUBI1-5

2-engined



NOTE:

During inappropriate handling (e.g. modifying or capping the links) or opening the glow plug heating device, the warranty goes out automatically.