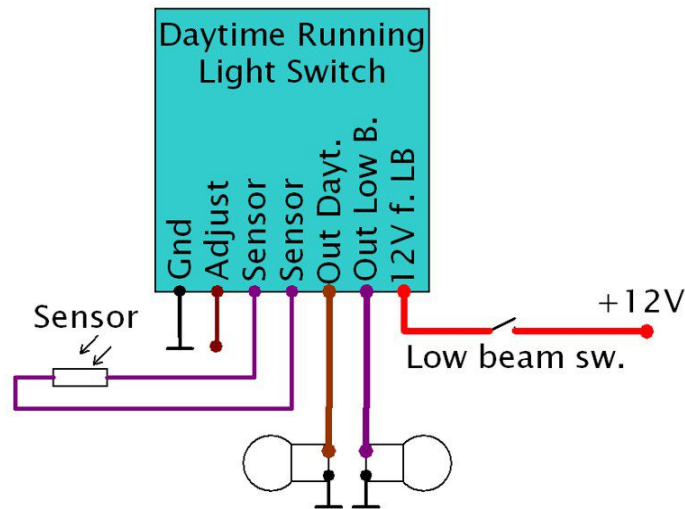


Wiring diagram of the Daytime Running Light – Switch (DRS)

Manuals are always annoying... You will only need 2 minutes of your time for this one, promise :-)



Pin-assignment:

Colour	Description
Brown (thin)	Program Input. The light sensitivity of the DRS increase, if the brown (thin) cable is connected to +12 Volt. The light sensitivity decrease, if the cable is connected to ground. The changes are indicated by the number of flashes of the daytime running light or the low beam. You can choose between 60 different brightness values. If you reach one of the endpoints of the brightness scale, the respective light will light up permanently. The sensitivity is saved in the DRS in the moment the brown (thin) cable is disconnected. Please note that the DRS have an implemented 3 second delay for the switch time from low beam to daytime running light in order to get the device sensitivity down against light reflections and street lights. This affect the time for adjusting the trigger value.
Violet (thin) (2x)	Inputs light sensor
Brown (thick)	Output daytime running light
Violet (thick)	Output low beam
Red (thick)	+ 12 V supply voltage
Black	Ground

The light sensor should be directed upwards in order to prevent it from unwanted trigger from the own head light or the lights from other road users. A 3 second delay from low beam to daytime running light reduce unwanted trigger from street lights or light reflexions.

The program cable can be cut off or be isolated after having adjusted the brightness value. This makes sure, that it could not get in contact to any electrical loads or the ground.

The outputs of the DRS can be connected with loads up to 6 Amperes. By the way, the outputs are short circuit protected and limit the current between 10 and 15 Amperes.

Please consider, that this device should be installed by professional well trained engineers only. Please check your local regulations regarding the traffic light rules in your country before using the DRS in your bike. Please be aware that we are not responsible for any hazards, damages or disadvantages due to the use of the electronicbox. The electronicbox devices are registered under the number DE54933725 WEEE as B2C device. We also declare that the DRS is conform to the CE and ROHS regulations for the European market.

If you have any questions while the installation please don't hesitate to contact us at:
info@elektronikbox.de

We wish you to have a lot of fun with your new DRS in your bike and of course always a safely trip!