



# RENNOVA AUTO HEADLAMP CONTROLLER

An auto headlamp controller, also known as an automatic headlight control system, is a feature commonly found in modern vehicles that automatically controls the activation and intensity of the vehicle's headlights based on external lighting conditions. The purpose of an auto headlamp controller is to improve road safety by ensuring optimal visibility for the driver and other road users.



## Here's how an auto headlamp controller typically works:

1. **Light Sensors:** The system utilizes light sensors, typically located on the front of the vehicle, to detect ambient light levels. These sensors continuously monitor the lighting conditions surrounding the vehicle.
2. **Activation:** When the light sensors detect low light conditions, such as at dusk or in dark environments, the auto headlamp controller automatically activates the vehicle's headlights. This ensures that the driver has adequate illumination to see the road ahead.
3. **Intensity Control:** The auto headlamp controller may also have the ability to adjust the intensity or brightness of the headlights. In some systems, the brightness is adjusted automatically based on the detected ambient light levels. For example, the headlights may be brighter in complete darkness compared to twilight conditions.

By automating the control of the vehicle's headlights, an auto headlamp controller ensures that the headlights are activated when needed, allowing the driver to focus on the road without manually adjusting the lighting settings. This feature contributes to improved safety and convenience, particularly during low-light conditions or inclement weather.

## Features:

- Mandated in ECE member countries as per ECE R48 Revision 6 Amendment 5
- Tested for all homologation requirements including ECE R10 Revision 5
- Rennova Solutions obtained E marking number for the Auto Headlamp controller



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