

'Not Charging' Lamp Driver (NCLD)

The **NCLD** provides feedback about the charging system of a 12V automotive lead-acid battery. A warning lamp (not included) will illuminate when the system voltage is below the normal charging voltage.

The device includes a precision voltage reference, operational amplifier and protected output stage, all integrated into a small potted box. The device is small (20 x 20 x 15mm) and light enough to be inserted inside a wiring loom or cable tied to it.

Specification

Part number:	102A2
Warning Lamp OFF:	13.8V (charging voltage)
Warning Lamp ON:	13.4V (battery charging minimal)
Default switch-on state:	Warning Lamp ON
Maximum voltage:	24V
Reverse polarity protected:	YES (warning lamp will be ON)
Lamp over-current protected:	YES (only with correct polarity)
Quiescent current:	6mA (Lamp-ON) / 3mA (Lamp-OFF)
Maximum lamp current:	3A peak, 1A continuous

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