



The ACU (alternator control unit a.k.a. voltage regulator) also controls the “low voltage” light.

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The light goes on if:

a) the alternator output voltage S+ - S- drops to low (insufficient alternator power output)

OR

b) if the alternator output voltage goes high (potentially damaging to avionics, lights etc.), the light goes on AND a relay trips in the field circuit, shutting down the alternator. This relay resets by cycling both the alternator and master switches. If the excursion was just a transient, the light will go off and the alternator will resume charging.