

Connect the solid violet and orange wires through an appropriate fuse with a Posi-Lock® connector, then to a switched or unswitched 12-volt source. Note that the IQ-285 serves as a relay, so no separate relay is required.

Connect the red, white, and black wires from the controller to your vehicle's switched power, high beam and ground wires respectively using the included Posi-Tap® connectors. Switched power to the red wire can be any power source that comes on with the ignition, such as a parking light or taillight. It only needs to supply 0.015 amps to power the controller. Note: The red wire may be connected to the same 12-volt source as the solid violet and orange wires if it is a switched source.

Instructions for using the Posi-tap® and Posi-Lock® connectors are shown in Figure 2.

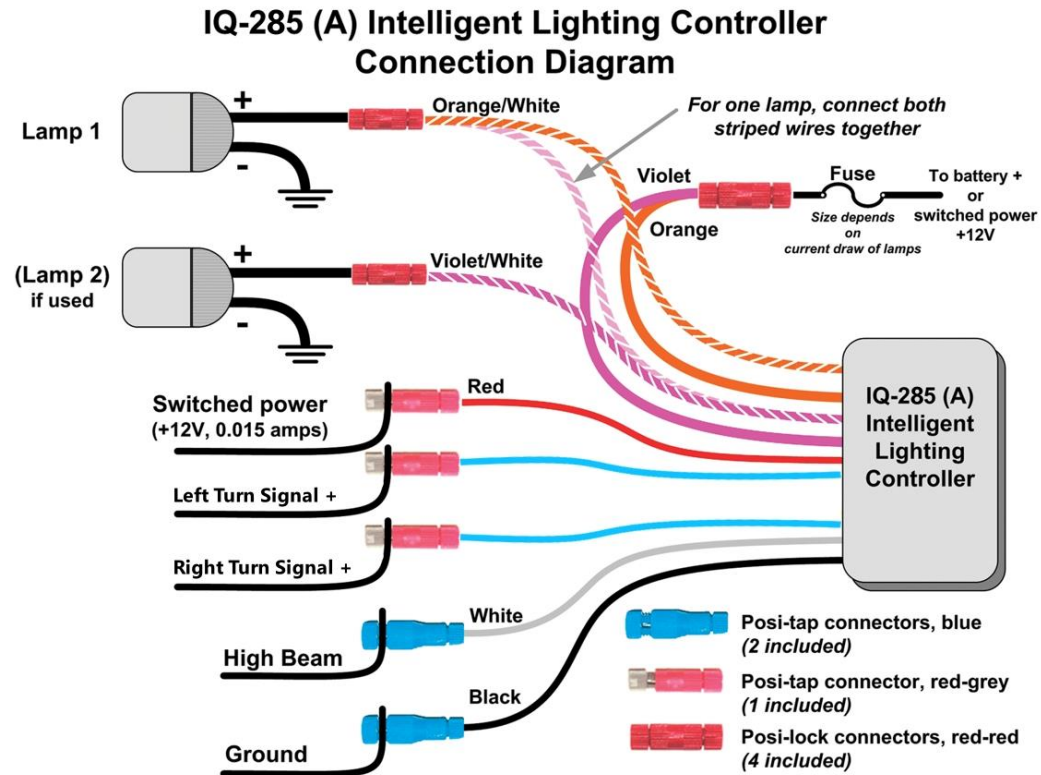


Fig. 1

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Brightness Control

When the high beam is off, the controller provides one programmable brightness setting.

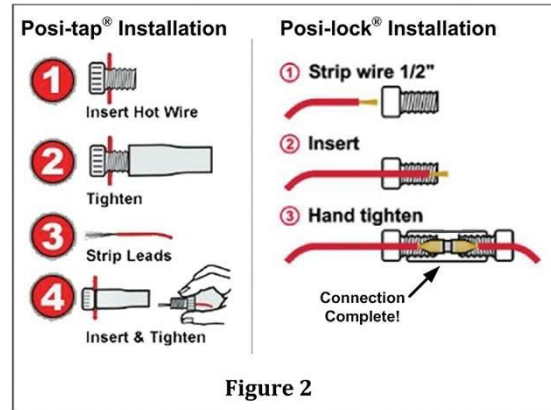


Figure 2

Programming

The brightness of the low beam setting may be changed from the default setting (Default at 60%) to suit your own requirements, depending upon the brightness of the attached lamps. This is done as follows:

- Ensure that the high beam switch is OFF, then turn on the ignition. The lamps connected to the controller will come on at low power for three seconds. This minimizes power drain on the vehicle's battery before the engine starts. **The lamps will then briefly flash two times.**
- To program different brightness levels, **as soon as you see the two flashes from the lamps, flash the high beam three times before 10 second's elapse.** The controller will respond by flashing the lamps back 3 times, signaling that the unit is now in programming mode.
- Once in programming mode, **each time the high beam is turned on then off, the brightness for the setting will increase by 10%** until it reaches 100%, or full on. The next increment beyond 100% will cycle it back to 0%, or off.
- When the desired brightness for the light has been reached, **exit the programming mode by turning the ignition off.** The controller will also exit programming mode if there is no activity on the high beam switch for 20 seconds. The new brightness level for each setting is automatically saved and will be remembered the next time the ignition is turned on.

ALERT feature (IQ-285-A model only)

To activate the high-visibility ALERT feature, **flash the high beam twice within 1 second.** The lamps will respond with a very noticeable flash sequence that signals traffic in front of you of your presence. This feature is not available until approximately 15 seconds after the ignition has been turned on once the programming window has ended (10 seconds after the initial double flash).

Specifications:

<i>Controller Input Voltage:</i>	9-16 V de
<i>Controller current draw (red wire):</i>	0.015 amps
<i>Max. lamp power:</i>	12 amps (144 watts) on each wire, 24 amps (288 watts) for both wires
<i>Maximum lamp operating voltage:</i>	16 V
<i>Programmable brightness range:</i>	0 - 100% in 10% increments
<i>Control module dimensions:</i>	L: 1.75" W: 1.31" H: 0.5"
<i>Control module weight:</i>	1 oz.



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Designed and manufactured in the USA



IQ-285 TS (A) Intelligent Lighting Controller

Installation and Instruction Manual

The IQ-285 enables convenient and immediate control of the brightness of auxiliary driving or fog lamps.

- Activating the high beam turns the lamps on at full power.

The IQ-285-A model includes an ALERT feature that flashes the lamps in a highly visible pattern when the high beam is switched rapidly on and off twice, increasing your visibility to oncoming traffic.

IMPORTANT: This product is designed for use on incandescent lamps and most LED lamps. **Use with HID lamps may damage the lamps and/or controller and will void your warranty.**

Installation

As shown in Fig. 1, connect the negative lead on each lamp to ground. Connect the positive lead on each lamp to the striped violet/white and orange/white wires on the controller using an included Posi-Lock® connector. The striped wires may be connected if only one lamp is used or to a single wire connected to all the attached lamps.