



INTELLIGENT MULTIPLEX SYSTEM

ISIS inLIGHTEN™ LED Controller

Part Number: ISISILEDZ

DESCRIPTION



The ISIS™ inLIGHTEN LED Controller is an expansion module to the ISIS Intelligent Multiplex System that gives vehicle fabricators an easy way to add LED lighting control to their vehicles. From accent lighting to soothing ambient effects to high-energy pulsing atmospheres, inLIGHTEN gets you the control that you need. Your customers can get the professional board room look, that intimate environment for two or the party on wheels that they want, all from one module.

Just like the rest of the ISIS Intelligent Multiplex System, inLIGHTEN is designed for the toughest and harshest vehicle use. You can use it in a broad range of vehicles including limousines, executive vans, coaches, work trucks, RV's and party busses.

inLIGHTEN is designed for control of Light Emitting Diodes (LEDs). These can be discrete lights or strips of lights. You can control lights with individual colors or use inLIGHTEN to control RBG LEDs for a broad range of dimming, color and pattern effects. Following the multiplexed nature of ISIS, you place inLIGHTEN modules in your vehicle where you need them and connect them into the ISIS CAN network. Commands are sent from the ISIS MASTERCELL to inLIGHTEN to activate the lighting patterns. This gets you a very flexible system that is easy to expand and uses less wire than other solutions on the market. Plus you have complete flexibility in the types of inputs that you can use to control your LED lighting including a broad array of switches, radio interfaces, touch screens and mobile devices.

MODULE DETAILS

- Plug & Play module that connects into an existing ISIS system to drive LED lighting for vehicle. (Older system configurations may need a simple software upgrade to communicate with inLIGHTEN.)
- Compact module with integrated mounting tabs for easy installation.
- Applications include accent and mood lighting in limousines, party busses, hot rods and more.
- 6 output channels can be used independently or in two sets of three channel RGB lights.
- 16 preset lighting patterns are standard in the module for everything from accent lighting to ambient effects to creating a dance club in the vehicle.
- Patterns can be easily controlled from inTOUCH MAX, through inTOUCH Mobile, or virtually any switch wired to an ISIS MASTERCELL.

KIT INCLUDES:

- ISIS inLIGHTEN LED Driver Module
- ISIS CAN Harness
- Fused power harness
- Output harnesses to LED lights
- Detailed instruction manual

TECHNICAL SPECIFICATIONS:

- Dimensions: 5" X 2" X 1"
- Number of output channels: 6 grouped in two sets of three channels for RGB control
- Maximum current draw per channel: 1.0-amp.
- Operating voltage: 11.0 to 14.8-volts.
- Nominal LED output control voltage: 12-volts.
- Each inLIGHTEN module is individually addressed. Up to 16 inLIGHTEN modules can exist on one ISIS CAN network.
- LED channels are low-side switched through MOSFETS for high-efficiency switching. All operating frequencies in the system are chosen to minimize noise impact on audio and video systems in the vehicle.

ISIS POWER

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