InterSource Specialties Co.

Lay-In Panels Instructions

1. Product Overview

Read all instructions for installing Drop-In Panels before starting.

ISC Astrolite Drop-In Star Panels are an out of the box, plug and play acoustic panel, with the fiberoptic star ceiling experience built right in. Out of the box, they are ready to be dropped into any standard 15/16" grid ceiling

The ISC Panel System is designed for easy installation. Each ISC star panel has its own low voltage star engine built right in and only requires a 12 DC power connection. Up to 100 Star Panels may be daisy chained together which makes wiring and installation a snap

Each install starts with a Driver (power supply) that is connected to a switched, or controlled line voltage circuit. From the Driver, a Leader Cable carries the low voltage power to the first Star panel. Jumper Cables then daisy chain the power from one panel to the next. For installations with more than 100 star panels, just keep adding additional Drivers and Leader Cables to the same switched circuit.

2. Design Overview

Plan your installation based on your design. These instructions are a general guideline and your installation requirements may vary based on your design and job site conditions.

3. Before You Start

Make sure all code requirements are fulfilled. If your home theater project is going to require an electrical permit, you will be subject to the local electrical code requirements. Though it's not always easy to tell if your project requires a permit, it is best to consult with your local permitting authority.

Electrical codes generally follow the National Electric Code (NEC), which is published by the National Fire Protections Association. The main purpose of the NEC is to prevent hazards to human health and safety from electrical shock, tendency to start or perpetuate a fire and production of toxic fumes when exposed to fire.

ISC panels are made with "Class A" fiberglass and covered in a "Class A" fabric finish. Wiring harnesses are made from CL2 and CL3 or higher rated materials. If installing in a plenum, installer must supply CL2P, CL3P, or CMP, and always confirm and conform to local codes before install.

4. Connecting the Driver

The plug-in Driver is a "table top" type of power supply, with an IEC connector for the input of the line voltage. The selected outlet for powering the Driver should be controlled from a remote switch or control system. Locate the Driver in a proper area that is accessible and within 30 feet of the first Star Panel. At this point, connect the leader cable and run that to the first panel.

5. Installation Overview

1. Put on Latex Gloves to keep Panels Clean when handling
2. Orient First Panel
3. Install Leader Cable into first panel
4. Turn on Power to Panel
5. Inspect to see that Stars Turn On
6. Drop panel into metal ceiling grid
7. Panel Installation Complete
8. For Additional Panels, rotate each panel 90 degree so star engine is facing different direction to randomize the star pattern
9. Use Jumper Cables provide to chain the next panel to the previous and repeat until all panels are installed.

6. Installation Techniques

1. Use the supplied powder free latex gloves when handling the panels and always use care in protecting the panels' finish. Handle the panels along the edges as much as possible and keep hands clean to prevent finger marks on the faces of the panels.

2. Rest the Drop-In Panels into position by tilting them slightly, lifting them above the framework and letting them fall into place.

3. Each Panel is marked with a no cut zone on one side that indicates the orientation. Every gets rotated one quarter turn in order to provide a more random starry night experience.

4. Connect a jumper cable to the first panel and connect it to the next panel. Up to 25 Star panels can be connected to the 1-Amp Driver and 100 to the 4-Amp Driver. If you need more than 100 panels, then an additional driver and leader cable are required. Do not exceed the capacity of the switched circuit.

7. How to Cut a Panel

Caution: Each ISC Panel has a "No Cut Out Zone," if necessary, rotate the panel in order to avoid the "No Cut Zone"

Sometimes cuts will need to occur to the panels to accomodate down lights, vents, sprinkler heads, speakers, etc. This process is easy. Always make any cuts on the face of the panel first in order to keep the proper orientation. Panels are made of fiberglass and a vinyl face making them easy to cut. Avoid the No Cut Zone by rotating the panel so any cuts fall outside that area

8. Now turn on the switch and gaze at the Stars. Relax and Enjoy!