

The Power of Illumination

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DAI Star Digitally Addressable Low Voltage Isolation Transformer



DAI (Digitally Addressable Lighting Interface) is a protocol dedicated for lighting control use. The DALI protocol transforms a standard lighting system into a dynamic network able to control and manage individual lighting devices, via a common DALI bus. Individual devices can be addressed and programmed in the network as part of groups and scenes. DALI devices can communicate with the controller to provide real time status of the control of devices.

The DALI Star Series electronic transformer is designed specifically to operate 12 Volt halogen lamps in a DALI network with DALI controllers.

The advanced microprocessor-based circuitry of the DS Series transformer is fully compatible with DALI controllers and is digitally addressable to provide precise dimming control and full a range of operation for 12 Volt halogen lamps, as individually addressed devices or part of groups and scenes.

The many features of the DS Series include auto reset short and overload protection, protection against misconnection of line voltage into DALI input, open lamp detection and automatic programmable preset light level on DALI control interrupt.

B+L Technologies' DALI Star transformer offers multiple possibilities to meet digital lighting systems requirements and to please your customers. Contact our customer service representatives to find out more about this and many of our lighting products.

General Specifications

- ✓ Fully DALI protocol compatible
- ✓ Precise 0 – 100% Dimming Control
- ✓ Open lamp detection
- ✓ Auto reset short circuit protection
- ✓ Auto reset over load protection
- ✓ Protection against line voltage to DALI input
- ✓ Programmable preset light output on DALI line interruption
- ✓ Fully Digitally addressable
- ✓ Programmable multiple groups
- ✓ Programmable 16 scenes, 16 groups
- ✓ Minimum load: 20W
- ✓ Nominal output: 12VAC
- ✓ For 12V halogen lamps
- ✓ Power factor >0.98
- ✓ THD<13%
- ✓ Operating frequency > 20kHz
- ✓ Ambient temperature range: -15 °C to 50 °C
- ✓ Input 120V 60Hz
- ✓ Input current: 0.60 A
- ✓ Input wire gauge: 18 AWG
- ✓ Output wire gauge: 18 AWG
- ✓ DALI line wire gauge: 18 AWG
- ✓ Standby power consumption: 1 W
- ✓ Compact metal casing, available in choice of stud mount or flush mount

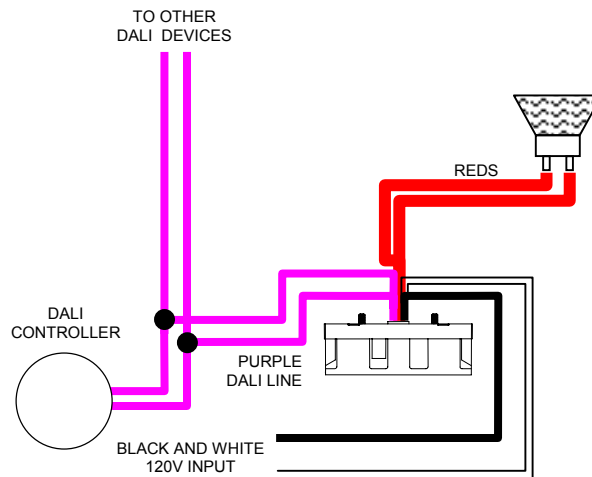
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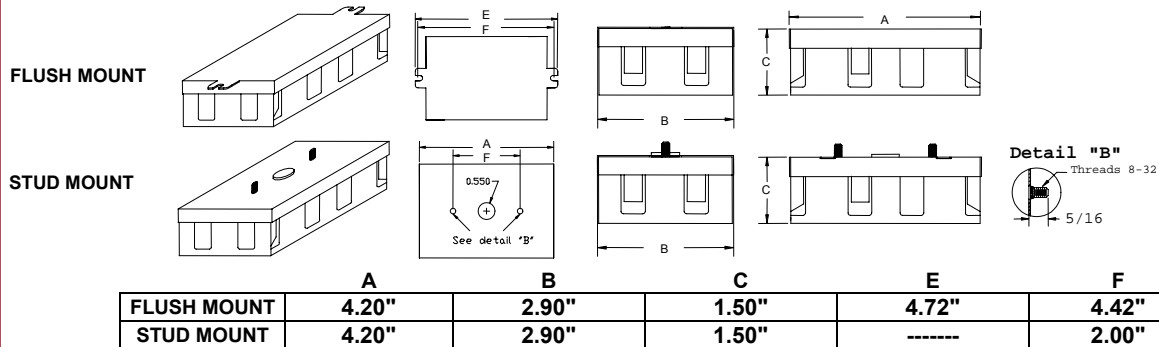
Ordering Information

MODEL NO.	INPUT VOLTAGE	SHORT CIRCUIT PROTECTION	OVERLOAD PROTECTION	DALI INPUT PROTECTION	MAXIMUM LOAD	OUTPUT TO LAMPS	MOUNTING
DS98100-S	120 VAC	YES	YES	YES	75 W	12 VAC	FLUSH MOUNT
DS98100-C	120 VAC	YES	YES	YES	75 W	12 VAC	STUD MOUNT

Cabling Diagrams



Dimensions



Warranty

3 years from delivery date for:
DALI Star 75 Transformer



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