

elitedali™ - for Niagara

smart lighting controls

www.elitedali.com

elitedali H-DALI Power Supply Datasheet

Introduction

CNS continues to work with all open standards DALI® product manufacturers to ensure the widest range of DALI products is available to our **Certified elitedali Partners (CeP™)** that are suitable for use with **elitedali™** for Niagara.

This power supply is manufactured by Helvar Oy who is one of the world's leading DALI product manufacturers. It is fully compatible with the DALI Open standards specification and is designed to provide the maximum power allowable on a single DALI network of, 250mA.



Features

- ◆ Supplies a maximum of 250 mA at 20 VDC to a single DALI network
- ◆ Short circuit protected
- ◆ Over temperature protected
- ◆ DIN rail mounted
- ◆ Compact design only 35mm, 1.4" wide
- ◆ Status LED for DALI data traffic
- ◆ Universal Input power supply voltage of 90 – 264 VAC

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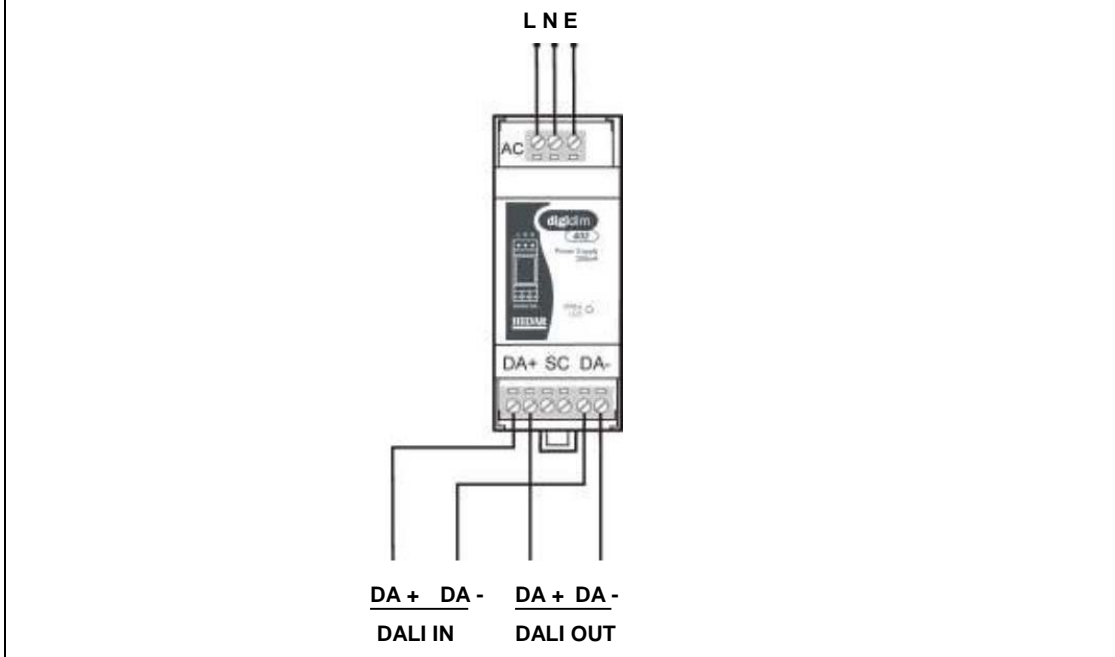
Specifications

Technical Data – Dali Single Network Power Supply/ Electrical	
Mains Input Power	90 – 264 VAC, 48 – 62 Hz
Dali network output	20 VDC nominal @ 250 mA (nominal)
Isolation	3KV
Technical Data – Serial Interface/ Environmental	
Operating temperature range	0..+40 °C
Storage temperature range	-10...+70 °C
Relative humidity	0...90 % rel. annual average (non-condensing)
Environmental protection	IP 30 (housing)
Weight	80g
Connections	
Mains Power	screw terminals, 0.5...2.5 mm ² (stranded), 0.5...4.0 mm ² (solid)
DALI network	0.5 mm ² - 1.5 mm ² stranded or solid core

Dimensions
<p>The drawing shows two views of the power supply. The front view on the left indicates a width of 35 mm. The side view on the right indicates a depth of 58 mm. The height is shown in two sections: a main body height of 45 mm and a total height of 90 mm, including a top section.</p>

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Connections

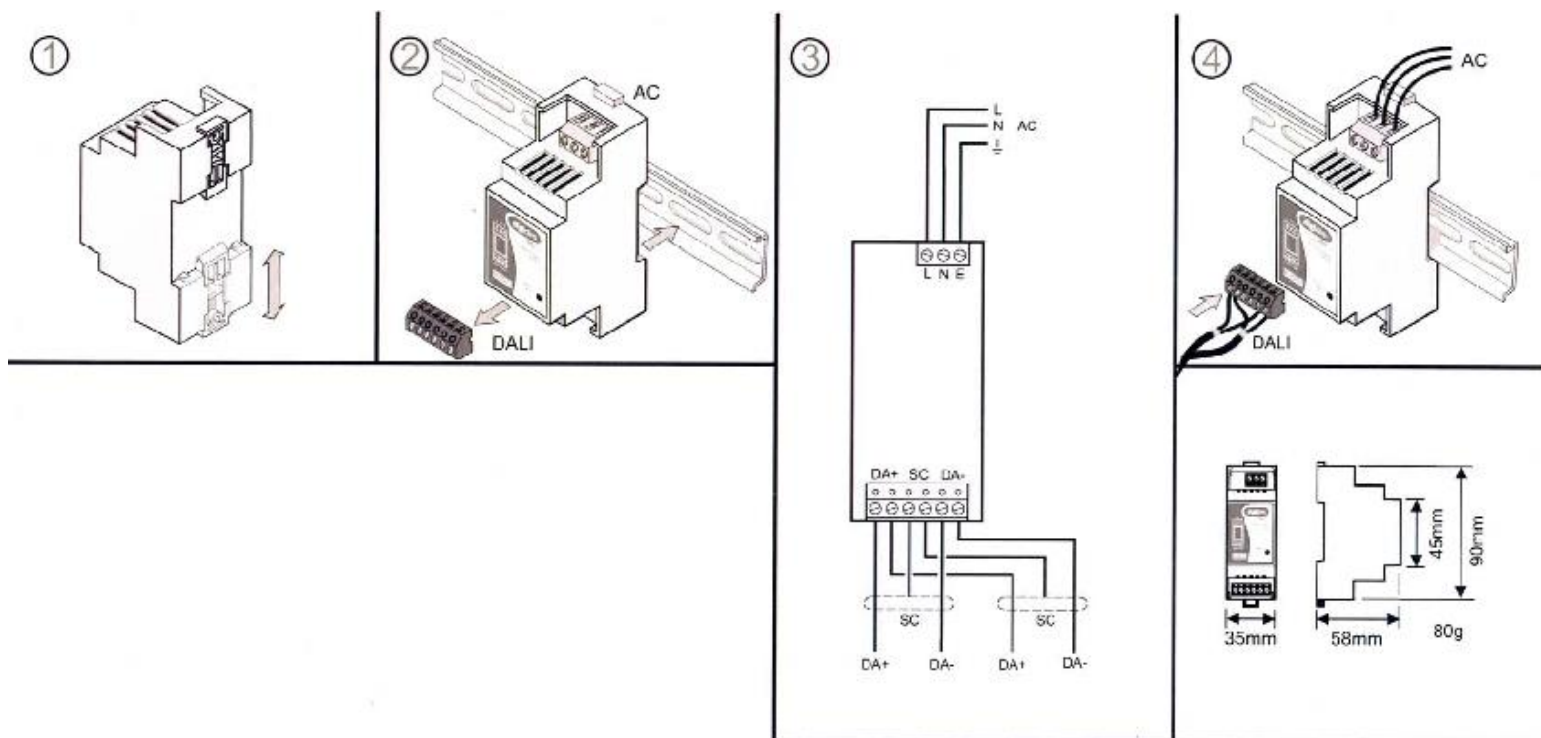


Conformity & Standards

Emission	EN 50 081- 1
Immunity	EN 61 547
Safety	EN 60 950

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DALI Power Supply Installation



UK Status LED:
 A = Normal Operation
 B = DALI line activity
 C = DALI line or power failure

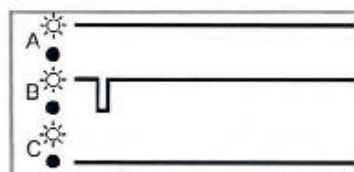
FIN LED -merkkivälo:
 A = Normaali toiminta
 B = DALI lähtövalo
 C = DALI tai verkkoystävön häiriö

D Status LED:
 A = Normaler Betrieb
 B = DALI LED Anzeige, Betriebsbereit
 C = DALI LED Anzeige, DALI- oder Spannungsversorgungsfehler

S DIOD funktioner:
 A = Normal drift
 B = Indikering DALI-aktivitet
 C = Fel på DALI eller 230V

F État LED:
 A = Fonctionnement normal
 B = Circuit DALI opérationnel
 C = Erreur d'alimentation ou du circuit DALI

I Stato LED:
 A = Normale funzionamento
 B = Linea DALI attiva
 C = Problema sull'alimentazione e sulle linee DALI



External mains power supply to the unit must be protected. It is recommended that a 2A MCB is used.

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DAI Power Supply Mounting Advice

We cannot provide precise mounting recommendations to installers, as we cannot anticipate every application or site condition.

However this datasheet presents, graphically above, the orientation in a pictorial way to indicate installation requirements of this unit.

These products should be installed into enclosures using what is generally considered good practice, and ensure that products which do generate heat are always mounted vertically to aid convection cooling (din rail horizontally) and spaced appropriately to avoid heat build-up from adjacent units.

Consideration should also be given to the type of enclosure used, to ensure maximum temperature ratings are not exceeded.

Order Details

Description:

elitedali AC DALI Power Supply

Part No:

elitedali.HDALIPSU

Additional **elitedali** compatible DALI products are also available, [click here](#) for more details.

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