IMS320D10RLY
INSTALLATION INSTRUCTIONS
20A Dimming 0-10v Relay

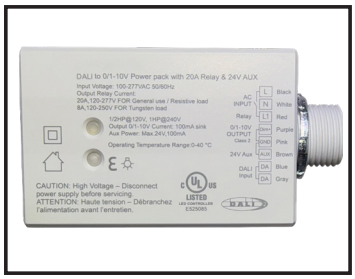
IMPORTANT SAFEGUARDS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS PRIOR TO INSTALLATION

1.Do not install with power applied to device
2.Do not expose the device to moisture.
3.Do not use outdoors.
4.Do not mount near gas or electric heaters.
5.Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
6.The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
7.Do not use this equipment for anything other than its intended use.
8.The installation must only be performed by a licensed electrician.
9. To prevent death, injury or damage to property, this product must be installed in accordance to National Electrical Code (NFPA70) in the US or Canadian Electrical Code (CSA 22.1) in Canada.
10.Disconnect power before installing the product or servicing it.
11.Maximum ambient temperature of 40°C

What's In The Box



One (1) IMS320D10RLY

Installation

1 Preparation

Install in accordance with the NEC and all local codes. Installation should be performed by a qualified electrician.

1. Shut off power to the desired circuit at the breaker before any work.
2. Identify and prepare the location for installation. The power pack is rated for indoor use, 0–40 °C, at 100–277 VAC, 50/60 Hz.
3. Carefully unpack the power pack from its packaging and inspect the product for defects due to shipping.

2 Installation

1. Mount a junction box (not included) to the desired location using appropriate hardware (not included).
2. Remove the desired knockouts (KOs) for all incoming and outgoing wiring, including a 1/2" KO for the power pack.
3. Feed the power pack's lead wires through the KO, insert the threaded nipple into the KO, and secure it from inside the box with the included locknut.

3 Wiring

Wire the power pack according to the wiring diagram that matches the installation configuration.

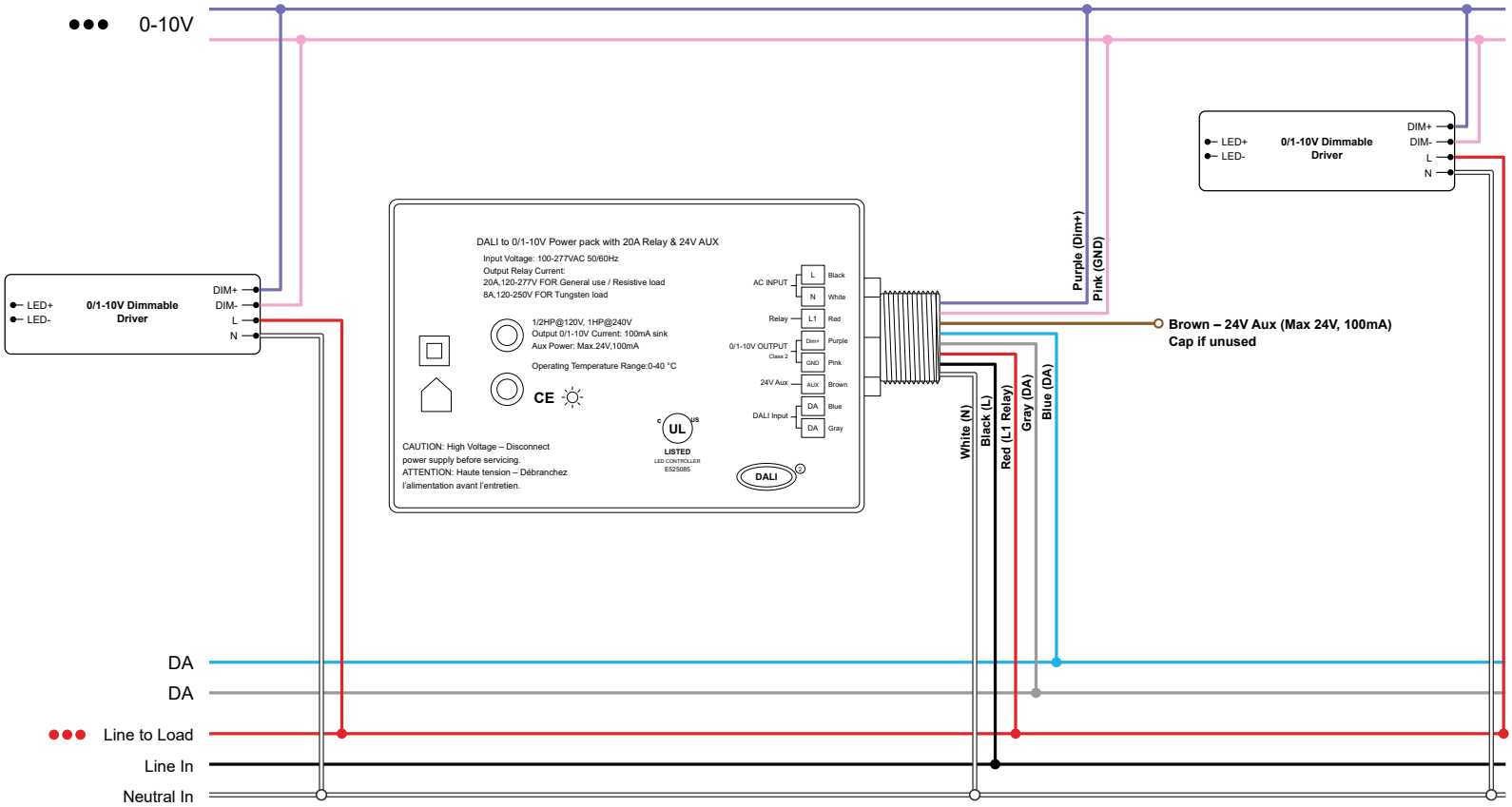
- Relay output rating: 20 A at 120–277 V for general use and resistive loads; 8 A at 120–250 V for tungsten loads; 1/2 HP at 120 V, 1 HP at 240 V.
- The 0/1-10V output is Class 2 and sinks up to 100 mA. Keep Class 2 wiring separated from line-voltage wiring as required by the NEC.
- Cap any unused leads individually with an approved wire connector.
- After all connections are made and secured inside the junction box, restore power at the breaker.

4 Operation

The power pack converts DALI commands into a 0/1-10V dimming signal and switches the load on and off through its internal relay. DALI addresses can be assigned automatically by the DALI master controller. Please refer to the user manuals of compatible DALI masters for specific operation.

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Wiring Diagram



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REFER TO THE APPLICABLE DEVICE SPECIFICATION SHEETS FOR PRODUCT-SPECIFIC LIMITED WARRANTY INFORMATION.

THIS LIMITED WARRANTY DOES NOT COVER THE FOLLOWING:
- Defects or damages resulting from improper installation, operation, storage, misuse or abuse, accident, or neglect;
- Defects or damages resulting from improper service, testing, adjustment, installation, maintenance, alteration, connection to out-of-specification electrical service, corrosive or damp environments, or connection to incompatible equipment or devices (e.g., connecting non-dimmable lighting products to dimmers);
- Damage which occurs in transit;
- Power surges or overheating due to external conditions • Acts of nature including but not limited to lightning strikes

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL NICOR BE LIABLE, WHETHER IN CONTRACT OR IN TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCT TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.